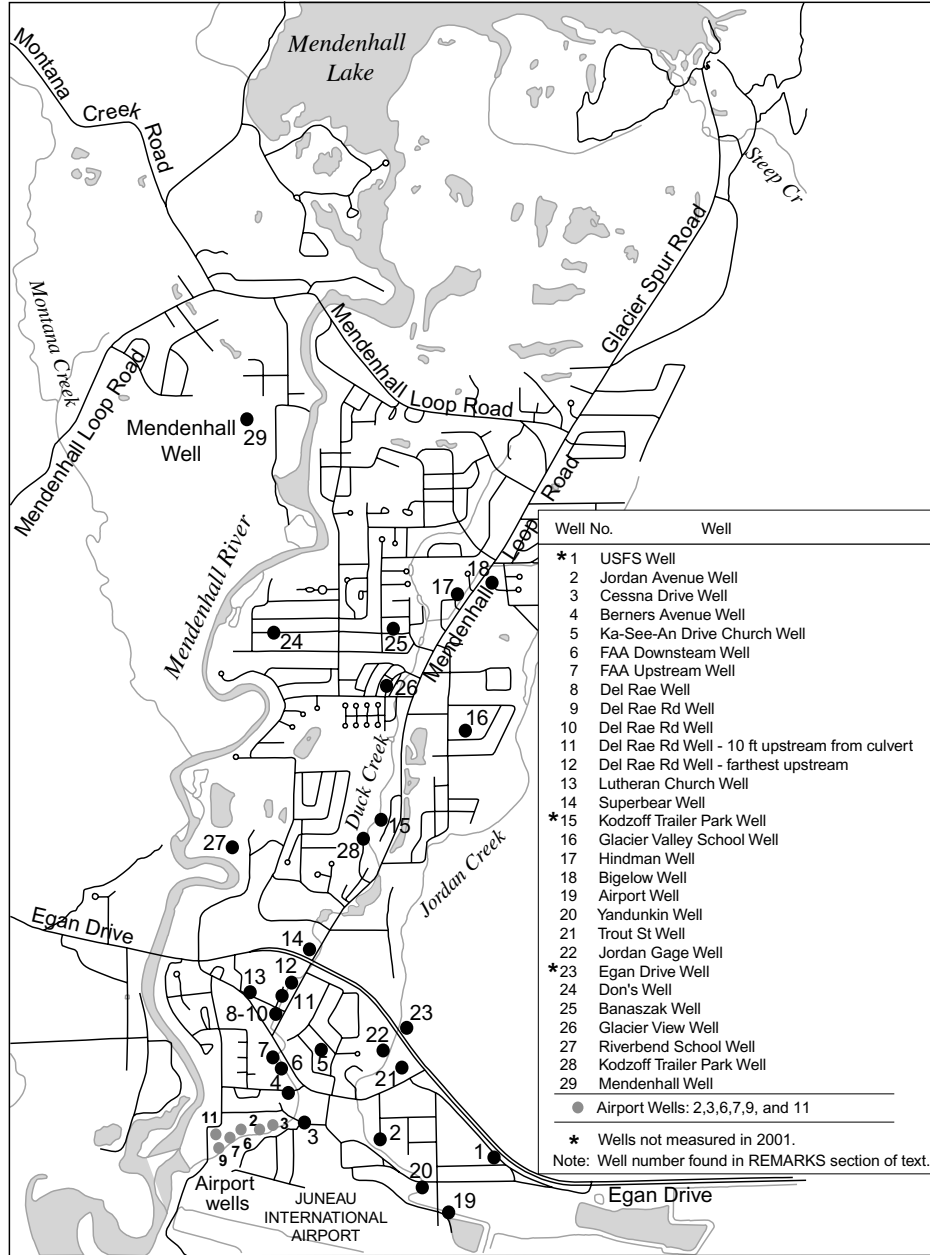


GROUND-WATER LEVEL DATA



Location of Mendenhall Valley wells.

SOUTHEAST ALASKA

JUNEAU

582136134344802. Local number, CD04006631ACBC1015.

LOCATION.--Lat 58°21'36", Long 134°34'48", in NW¹/₄ SW¹/₄ NE¹/₄ sec. 31, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located about 20 ft southeast of a trail running between the intersection of Jordan Avenue and Teal Street, about 50 ft south of Teal Street, and about 20 ft northeast of a footbridge over Jordan Creek, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 8 ft, screen opening from 6 to 8 ft using a sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 19.84 ft above sea level (determined by levels survey). Measuring point: Top of casing, 0.6 ft above land-surface datum.

REMARKS.--Well drilled May 1997 by USGS, designated as Duck Creek #2 (Jordan Avenue Well). Area near well is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.1 ft above land-surface datum, July 13, 1997; lowest, 3.28 ft below land-surface datum, March 12, 1998.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL
Mar 22	3.08

582146134351701. Local number, CD04006631BBDD1016.

LOCATION.--Lat 58°21'46", Long 134°35'17", in SE¹/₄ NW¹/₄ NW¹/₄ sec. 31, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located near the left bank of Duck Creek, about 10 ft northwest of the intersection of Cessna Drive and Alex Holden Way, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 12 ft, screen opening from 10 to 12 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 25.35 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.88 ft above land-surface datum.

REMARKS.--Well drilled May 1997 by USGS, designated as Duck Creek #3 (Cessna Drive Well).

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.9 ft below land-surface datum, July 13, 1997; lowest, 10.06 ft below land-surface datum, February 21, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	8.12	Jun 13	8.81
Mar 22	9.80	Jul 02	8.32
Jun 06	9.32		

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582147134351401. Local number, CD04006631BBDB1017.

LOCATION.--Lat 58°21'47", Long 134°35'14", in SE¹/₄ NW¹/₄ NW¹/₄ sec. 31, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located near the right bank of Duck Creek, about 70 ft downstream of the Berners Avenue crossing, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 8.8 ft, screen opening 6.8 to 8.8 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 19.52 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.9 ft above land-surface datum.

REMARKS.--Well drilled 1997 by USGS, designated as Duck Creek #4 (Berners Avenue Well). Water from well was sampled for water quality on September 5, 1997, January 29, 1998, and September 3, 1998.

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft below land-surface datum, September 3, 1998; lowest, 4.12 ft below land-surface datum, March 21, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	1.65	Jun 25	2.89
Mar 22	3.81	Jun 26	2.86
Jun 06	3.26	Jul 02	2.71
Jun 12	2.66	Aug 21	1.44
Jun 13	2.59		

582154134350501. Local number, CD04006630CDCB1027.

LOCATION.--Lat 58°21'54", Long 134°35'05", in SW¹/₄ SE¹/₄ SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located 15 ft east of a tributary to Duck Creek and about 1,200 ft northwest of Jordan Creek, 90 ft southwest of the First Church of God on Ka-See-An Drive, Juneau. Owner: First Church of God.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in steel casing., depth 17.5 ft, screen opening from 15.5 to 17.5 ft using a sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, or U.S. Forest Service personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 26.30 ft above sea level (determined by levels survey). Measuring point: Top of casing 2.05 ft above land-surface datum.

REMARKS.--Well drilled June 1997 by USGS, designated as Duck Creek #5 (Ka-See-An Drive Church Well).

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.41 ft below land-surface datum, October 23, 1999; lowest, 9.62 ft below land-surface datum, March 12, 1998.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	6.20	Mar 22	9.44

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582156134351701. Local number, CD04006631BBBA1018.

LOCATION.--Lat 58°21'56", Long 134°35'17", in NW¹/₄ NW¹/₄ NW¹/₄ sec. 31, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located in Duck Creek channel about 90 ft downstream from driveway crossing to Federal Aviation Administration building, about 50 ft southwest of Old Glacier Highway, Juneau. Owner: Federal Aviation Administration.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 11 ft, screen opening from 9 to 11 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 18.48 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.86 ft above land-surface datum.

REMARKS.--Well drilled May 1997 by USGS, designated as Duck Creek #6 (FAA Downstream Well). Well is in stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.7 ft above land surface datum, July 13 and August 14, 1997; lowest, 3.62 ft below land-surface datum, March 13, 1998.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Mar 22	-1.51	Jul 02	1.63
Jun 13	-0.12		

Minus sign indicates water level above land-surface datum.

582158134352001. Local number, CD04006630CCCD2017.

LOCATION.--Lat 58°21'58", Long 134°35'20", in SW¹/₄ SW¹/₄ SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well is located in Duck Creek channel, 20 ft upstream from driveway crossing to Federal Aviation Administration building, about 50 ft southwest of Old Glacier Highway, Juneau. Owner: Federal Aviation Administration.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 12 ft, screen opening from 10 to 12 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 19.62 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.2 ft above land-surface datum.

REMARKS.--Well drilled May 8, 1997 by USGS, designated as Duck Creek #7 (FAA Upstream Well). Well is in stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.7 ft above land surface datum, July 13 and August 14, 1997; lowest, 3.63 ft below land-surface datum, July 2, 1998.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	X	Jul 02	1.98
Jun 13	-0.74		

X stream stage was higher than top of well casing

Minus sign indicates water level was above land-surface datum.

GROUND-WATER LEVEL DATA

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582203134351601. Local number, CD04006630CCDB1028.

LOCATION.--Lat 58°22'03", Long 134°35'16", in SE¹/₄ SW¹/₄SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 quad), Hydrologic Unit 19010301. Well located on left bank of Duck Creek about 55 ft downstream from Del Rae Road crossing, 25 ft from Mendenhall Loop Road, and 0.25 mi. south of the intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in. steel casing, depth 14 ft, screen opening from 12 to 14 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 23.10 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.56 ft above land-surface datum.

REMARKS.--Well drilled May 6, 1997 by USGS, designated as Duck Creek #10 (Del Rae Road Well). Well is in stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.22 ft below land surface datum, December 30, 1999; lowest, 7.59 ft below land-surface datum, March 12, 1998.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	1.68	Jun 13	4.19
Mar 21	7.14	Jul 02	4.41
Jun 06	3.27		

582203134351701. Local number, CD04006630CCBD3015.

LOCATION.--Lat 58°22'03", Long 134°35'17", in NW¹/₄ SW¹/₄ SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located on left bank of Duck Creek, 30 ft downstream from Del Rae Road crossing, and 0.25 mi. south of the intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in. PVC casing, depth 11 ft, perforated from 9 to 11 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 22.14 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.30ft above land-surface datum.

REMARKS.--Well drilled May 6, 1997 by USGS, designated as Duck Creek #9 (Del Rae Road Well). Well is near stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.50 ft above land surface datum, August 14, 1997; lowest, 8.39 ft below land-surface datum, May 6, 1997.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	0.45	Jun 13	1.75
Mar 21	6.39	Jul 02	3.36
Jun 06	1.86		

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582203134351901. Local number, CD04006630CCBD2015.

LOCATION.--Lat 58°22'03", Long 134°35'19", in NW¹/₄ SW¹/₄ SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located on right bank of Duck Creek, 75 ft downstream from Del Rae Road crossing and 0.25 mi. south of the intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in. steel casing, depth 15 ft, screen opening from 12 to 15 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 33 ft above sea level (determined from topographic map). Measuring point: Top of casing 1.66 ft above land-surface datum.

REMARKS.--Well drilled May 6, 1997 by USGS, designated as Duck Creek #8 (Del Rae Well). Well is near stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.15 ft above land surface datum, October 11, 2001, lowest, 9.09 ft below land-surface datum, March 21, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL
Oct 11	X
Mar 21	8.47
Jun 06	4.56
Jun 13	2.81
Jul 02	5.81

X surface-water affected, stream stage higher than top of well casing

582206134351401. Local number, CD04006630CCAC1029.

LOCATION.--Lat 58°22'06", Long 134°35'14", in NE¹/₄ SW¹/₄ SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located in Duck Creek stream channel, 12 ft upstream from Del Rae Road crossing, 900 ft southwest of intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in PVC casing., depth 12 ft, slotted from 10 to 12 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 21.25 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.8 ft above land-surface datum.

REMARKS.--Well drilled May 7, 1997 by USGS, designated as Duck Creek #11 (Del Rae Road Well, 10 ft upstream from culvert). Well is in stream channel and is intermittently flooded. Water level often above top of casing. Unknown debris placed inside well casing at about 3.6 ft below land surface sometime prior to March 12, 1998. Water levels cannot be determined below the obstruction, but water levels above the obstruction appear to representative of aquifer conditions.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.4 ft above land-surface datum, July 13, 1997; lowest, 5.35 ft below land-surface datum, May 15, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	-0.66	Jun 13	0.03
Mar 21	O	Jul 02	0.89
Jun 06	0.00		

Minus sign indicates water level above land-surface datum.

O Obstruction at about 2.4 ft below land surface datum.

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582208134351201. Local number, CD04006630CCAB1030.

LOCATION.--Lat 58°22'08", Long 134°35'12", in NE¹/₄ SW¹/₄ SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located mid-channel of Duck Creek, about 130 ft upstream from Del Rae Road crossing, and 700 ft southwest of the intersection of Mendenhall Loop Road and Egan Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in. PVC casing, depth 11 ft, slotted from 7 to 10 ft.

INSTRUMENTATION.-- Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 21.22 ft above sea level (determined by levels survey). Measuring point: Top of casing 2.14 ft above land-surface datum.

REMARKS.--Well drilled May 7, 1997 by USGS, designated as Duck Creek #12 (Del Rae Road Well, farthest upstream). Well is in stream channel and is intermittently flooded. Water level often above top of casing.

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.79 ft above land-surface datum, October 11, 2001; lowest, 5.46 ft below land-surface datum, March 21, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	-0.79	Jun 06	0.19
Mar 21	5.04		

Minus sign indicates water level above land-surface datum.

582208134352601. Local number, CD04006630CCBB1031.

LOCATION.--Lat 58°22'08", Long 134°35'26", in NW¹/₄ SW¹/₄ SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located near a church parking lot, 55 ft northeast of Del Rae Road, and 105 ft southeast of the Lutheran Church, Juneau. Owner: Lutheran Church.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 15 ft, screen opening from 13 to 15 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 26.74 ft above sea level (determined by levels survey). Measuring point: Top of steel coupling at top of casing 2.8 ft above land-surface datum.

REMARKS.--Well drilled June 1997 by USGS, designated as Duck Creek #13 (Lutheran Church Well). Well casing filled with sediment to about 12.2 ft.

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.58 ft below land-surface datum, October 23, 1999; lowest, dry, March 21 and April 8, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	9.14	Jun 13	9.05
Mar 21	12.13	Jul 02	9.56

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582215134350501. Local number, CD04006630CBAD1032.

LOCATION.--Lat 58°22'15", Long 134°35'05", in NE¹/₄ NW¹/₄ SW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 SW quad), Hydrologic Unit 19010301. Well located near right bank of Duck Creek, 20 ft upstream from a footbridge and 225 ft upstream from the intersection of Egan Drive and Mendenhall Loop Road, Juneau. Owner: City and Borough of Juneau.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. steel casing, depth 12 ft, screen opening from 10 to 12 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel May 1997 to current year.

DATUM.--Elevation of land-surface datum is 25.04 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.70 ft above land-surface datum.

REMARKS.--Well drilled May 21, 1997 by USGS, designated as Duck Creek #14 (Superbear Well).

PERIOD OF RECORD.--May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 1.17 ft below land-surface datum, October 9, 1999; lowest, 3.80 ft below land-surface datum, March 21, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	1.69	Jun 13	2.10
Mar 20	1.20	Jul 02	2.26
Jun 06	2.24		

GROUND-WATER LEVEL DATA

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582240134344501. Local number, CD04006630BADA2033.

LOCATION.--Lat 58°22'40", Long 134°34'45", in SE¹/₄ NE¹/₄ NW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 NW quad) Hydrologic Unit 19010301. Well located about 270 ft up a trail from the northern end of the road through Kodzoff #1 trailer Park, Juneau. Owner: Goldbelt Corporation

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2.0-in. steel casing, depth 18.5 ft. Two pipe wrenches are needed to open well.

INSTRUMENTATION.-- Intermittent measurements with chalked steel tape by USGS personnel February 2001 to October 2002; submersible pressure transducer/electric data logger from February 2001 to current year.

DATUM.--Elevation of land-surface datum is 40.57 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.70 ft above land-surface datum.

REMARKS.--Well drilled October 27, 2000, designated as Kodzoff Trailer Park Well.

PERIOD OF RECORD.--February 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.91ft below land-surface-datum, August 29-30, 2002; lowest, 12.05 ft below land-surface-datum, May 8-10, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 7.91 ft below land-surface datum, August 29-30; lowest, 12.05 ft below land-surface datum, May 8-10.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.08	9.14	10.18	10.29	10.72	10.02	11.09	11.84	10.67	9.84	9.42	8.00
2	8.99	9.10	10.29	10.32	10.73	9.54	11.21	11.84	10.46	9.59	9.49	8.06
3	9.00	9.01	10.42	10.37	10.76	9.42	11.28	11.87	10.42	9.44	9.55	8.25
4	9.07	9.04	10.50	10.47	10.81	9.45	11.37	11.90	10.19	9.44	9.64	8.42
5	9.14	9.16	10.58	10.55	10.85	9.55	11.42	11.92	9.81	9.44	9.72	8.55
6	9.17	9.27	10.63	10.46	10.88	9.66	11.48	11.95	9.78	9.45	9.83	8.65
7	9.17	9.37	10.32	10.43	10.92	9.77	11.54	11.97	9.78	9.48	9.32	8.51
8	9.20	9.46	9.92	10.31	10.99	9.87	11.59	11.99	9.80	9.53	8.93	8.51
9	9.10	9.17	9.87	10.22	11.07	9.97	11.64	12.03	9.75	9.59	8.70	8.56
10	9.10	9.17	9.86	10.15	10.54	10.08	11.67	11.92	9.62	9.58	8.67	8.61
11	9.07	9.22	9.89	10.11	10.26	10.14	11.70	11.84	9.61	9.57	8.69	8.61
12	9.04	9.29	9.72	10.12	9.73	10.24	11.72	11.73	9.60	9.56	8.16	8.62
13	9.09	9.35	9.72	10.17	9.71	10.36	11.73	11.54	9.63	9.57	8.12	8.72
14	9.14	9.42	9.77	10.16	9.55	10.48	11.75	11.31	9.65	9.53	8.12	8.80
15	9.13	9.42	9.88	10.11	9.19	10.61	11.77	11.20	9.67	9.52	8.26	8.87
16	8.91	9.48	10.01	10.04	9.00	10.75	11.80	11.16	9.68	9.53	8.46	8.87
17	8.69	9.49	10.26	10.04	9.02	10.86	11.83	11.17	9.70	9.57	8.63	8.85
18	8.62	9.52	10.41	9.97	9.15	10.96	11.87	11.19	9.73	9.57	8.76	8.77
19	8.36	9.55	10.54	9.90	9.30	11.06	11.90	11.20	9.79	9.58	8.88	8.53
20	8.41	9.60	10.69	9.89	9.48	11.13	11.91	11.20	9.84	9.64	8.93	8.49
21	8.38	9.68	10.79	9.94	9.62	11.21	11.87	11.17	9.86	9.57	8.64	8.39
22	8.39	9.74	10.88	10.02	9.74	11.27	11.87	11.12	9.92	9.50	8.58	8.44
23	8.56	9.70	10.44	10.07	9.85	11.32	11.88	11.03	10.00	9.47	8.38	8.56
24	8.73	9.75	9.89	10.11	9.94	11.36	11.88	10.95	10.08	9.28	8.42	8.61
25	8.84	9.81	9.85	10.20	10.02	11.35	11.87	10.90	9.85	9.22	8.41	8.65
26	8.92	9.89	9.95	10.29	10.08	11.21	11.85	10.86	9.71	9.17	8.42	8.71
27	9.06	9.95	10.07	10.43	10.08	11.07	11.83	10.83	9.66	9.14	8.41	8.80
28	9.14	10.00	10.14	10.57	10.08	11.04	11.83	10.75	9.66	9.09	7.99	8.86
29	8.97	10.05	10.18	10.67	---	11.01	11.84	10.68	9.69	9.07	7.91	8.89
30	8.97	10.11	10.21	10.73	---	10.98	11.84	10.66	9.80	9.22	7.91	9.03
31	9.04	---	10.24	10.74	---	10.99	---	10.67	---	9.34	7.96	---

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582240134352901. Local number, CD04006630BBCB1036.

LOCATION.--Lat 58°22'40", Long 134°35'29", in SW¹/₄ NW¹/₄ NW¹/₄ sec. 30, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301. Well located at northeast edge of baseball field at Riverbend School on Riverside Drive, Juneau. Owner: City and Borough of Juneau.

AQUIFRER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.-- Diameter 2.0-in. PVC casing, depth 15.9 ft, slotted from 5 to 15 ft.

INSTRUMENTATION.-- Intermittent measurements with chalked steel tape by USGS personnel April 2001 to October 2002; submersible pressure transducer/electric data logger May 2001 to March 22, 2002 and August 22, 2002 to current year.

DATUM.-- Elevation of land-surface datum is 31.95 ft above sea level (determined by survey grade GPS). Measuring point: Top of casing 0.20 ft below land-surface datum April 2001 to July 24, 2002; then 0.73 ft. above land-surface datum to current year.

REMARKS.-- Well drilled December 15, 1998 by Hart Crowser, Inc., designated as Riverbend School well.

PERIOD OF DAILY RECORD.-- April 2001 to March 22, 2002; August 22, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level recorded, 3.58 ft below land-surface datum, August 31, 2002; lowest, 11.49 ft. below land-surface datum, March 22-23, 2002, but may have been lower during period of missing record, March 23-28, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 3.58 ft below land-surface datum, August 31, 2002; lowest, 11.49 ft. below land-surface datum, March 22-23 but may have been lower during period of missing record, March 23-28.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.64	5.18	7.48	9.01	9.02	9.21	---	---	---	---	---	3.60
2	5.42	5.76	7.71	8.88	8.87	9.13	---	---	---	---	---	3.59
3	5.47	5.36	7.77	8.88	8.87	9.06	---	---	---	---	---	3.75
4	5.16	5.53	7.81	9.18	8.99	9.06	---	---	---	---	---	4.18
5	5.05	5.75	7.93	8.85	9.04	9.09	---	---	---	---	---	4.24
6	5.17	6.22	7.93	8.65	9.00	9.11	---	---	---	---	---	4.30
7	4.84	6.10	8.04	8.64	9.00	9.20	---	---	---	---	---	4.27
8	5.10	6.26	8.04	8.83	9.08	9.14	---	#9.82	---	---	---	4.21
9	5.19	6.50	8.44	8.94	8.95	9.31	---	---	---	---	---	4.14
10	4.99	6.42	8.49	9.08	8.92	9.82	---	---	---	---	---	4.46
11	4.84	6.48	8.62	9.10	9.15	10.28	---	---	---	---	---	4.53
12	4.80	6.13	8.61	9.05	9.23	10.36	---	---	---	---	---	4.52
13	5.68	5.81	8.48	9.31	9.22	10.22	---	---	---	---	---	4.48
14	5.68	5.86	8.54	9.40	9.16	10.43	---	---	---	---	---	4.43
15	5.07	6.29	8.56	9.35	9.04	10.35	---	---	---	---	---	4.36
16	5.06	6.65	8.55	9.35	9.03	10.40	---	---	---	---	---	4.49
17	5.34	7.21	8.63	9.27	9.00	10.46	---	---	---	---	---	4.61
18	5.26	6.91	8.80	9.01	8.88	10.46	---	---	#7.53	---	---	4.18
19	5.36	6.34	8.90	8.69	8.75	10.20	---	---	---	---	---	4.57
20	5.31	6.24	9.03	8.60	8.86	10.23	---	---	---	---	---	4.94
21	5.11	6.37	8.99	8.67	9.19	10.68	---	#9.19	---	---	#4.43	4.77
22	4.79	6.50	9.04	8.95	9.33	11.23	---	---	---	---	4.37	4.89
23	4.97	7.02	9.02	8.64	9.47	---	---	---	---	---	4.39	4.96
24	5.25	7.32	8.99	8.59	9.46	---	---	---	---	---	4.45	4.99
25	5.00	7.39	9.17	8.78	9.37	---	---	---	---	---	4.31	4.82
26	4.67	7.65	9.15	9.11	9.21	---	---	---	---	#5.21	4.21	4.72
27	5.37	7.61	9.04	9.23	9.20	---	---	---	---	---	3.86	4.54
28	5.25	7.40	9.04	9.19	9.26	---	---	---	---	---	3.91	4.55
29	5.41	7.40	9.14	9.04	---	#9.62	---	---	---	---	3.98	4.79
30	5.09	7.54	9.21	8.91	---	---	---	---	---	---	3.70	5.01
31	5.14	---	9.15	8.91	---	---	---	---	---	---	3.58	---

Result of tapdown

GROUND-WATER LEVEL DATA

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582314134344801. Local number, CD04006619BDDD1055.

LOCATION.--Lat 58°23'14", Long 134°34'48", in SW¹/₄ SW¹/₄ NW¹/₄ sec. 19, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301. Well located near the northwest corner of garage at 9002 Gee Street, Juneau. Owner: Tim and Debbie Banaszak.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2.0 in., depth 44.2 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS. personnel February 2001 to October 2002; submersible pressure transducer/electic data logger October 1, 2001 to current year.

DATUM.--Elevation of land-surface datum is 46.4 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.80 ft above land-surface datum.

REMARKS.--Well designated as Banaszak well.

PERIOD OF RECORD.--February 2001 to current year.

EXTREMES FOR ERIOD OF RECORD.--Highest water level recorded, 4.88 ft below land-surface datum, August 13, 2002; lowest, 9.54 ft below land-surface datum, April 18, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 4.88 ft below land-surface datum, August 13; lowest, 9.54 ft below land-surface datum, April 18.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.85	7.28	8.34	8.41	8.72	8.42	9.14	9.15	7.71	7.49	7.08	5.40
2	6.63	7.22	8.44	8.44	8.72	7.93	9.15	9.15	7.69	7.20	7.12	5.62
3	6.64	7.12	8.48	8.48	8.74	7.74	9.17	9.09	7.67	7.03	7.18	5.88
4	6.80	7.16	8.53	8.63	8.82	7.76	9.22	9.10	7.42	7.03	7.27	6.10
5	6.95	7.29	8.62	8.59	8.87	7.88	9.22	9.15	7.19	7.08	7.32	6.29
6	7.01	7.43	8.64	8.50	8.89	8.01	9.23	9.17	7.19	7.09	7.38	6.51
7	6.96	7.53	8.50	8.50	8.90	8.09	9.29	9.18	7.23	7.14	6.81	6.31
8	7.04	7.63	8.45	8.43	8.98	8.23	9.34	9.19	7.36	7.20	5.98	6.28
9	6.95	7.28	8.41	8.25	8.92	8.30	9.32	9.19	7.29	7.26	5.64	6.36
10	6.95	7.27	8.44	8.18	8.76	8.34	9.34	9.09	7.12	7.25	5.60	6.49
11	6.90	7.34	8.51	8.05	8.55	8.41	9.38	8.97	7.09	7.27	5.72	6.55
12	6.87	7.41	8.46	8.06	7.99	8.52	9.39	8.78	7.11	7.24	5.21	6.56
13	7.03	7.50	8.43	8.23	7.98	8.66	9.38	8.62	7.22	7.24	4.88	6.65
14	7.09	7.56	8.50	8.25	7.79	8.74	9.37	8.52	7.23	7.27	4.89	6.84
15	7.06	7.61	8.56	8.16	7.46	8.82	9.42	8.43	7.20	7.24	5.24	6.98
16	6.98	7.72	8.59	8.12	7.28	8.87	9.45	8.38	7.17	7.24	5.73	7.00
17	6.71	7.75	8.69	8.11	7.33	8.90	9.51	8.38	7.17	7.28	6.06	6.87
18	6.52	7.74	8.76	8.02	7.44	8.92	9.52	8.34	7.19	7.32	6.34	6.40
19	6.19	7.72	8.83	7.89	7.60	9.02	9.49	8.29	7.28	7.32	6.48	6.35
20	6.21	7.78	8.89	7.89	7.80	9.06	9.38	8.16	7.39	7.40	6.58	6.36
21	6.16	7.91	8.89	8.02	7.99	9.07	9.28	8.06	7.44	7.37	6.01	6.27
22	6.16	7.99	8.96	8.16	8.10	9.08	9.28	7.99	7.49	7.23	5.76	6.30
23	6.35	7.90	8.71	8.14	8.21	9.10	9.27	7.93	7.55	7.16	5.49	6.56
24	6.61	7.91	8.35	8.22	8.28	9.16	9.25	7.85	7.56	6.87	5.49	6.79
25	6.79	7.94	8.22	8.40	8.36	9.10	9.24	7.80	7.42	6.70	5.80	6.89
26	6.84	8.06	8.19	8.50	8.40	9.07	9.23	7.80	7.29	6.63	6.00	6.89
27	7.06	8.15	8.20	8.56	8.41	9.00	9.23	7.76	7.26	6.64	5.45	6.79
28	7.19	8.15	8.27	8.58	8.48	9.01	9.23	7.72	7.26	6.65	5.16	6.79
29	7.03	8.19	8.33	8.61	---	8.99	9.26	7.71	7.28	6.66	5.05	6.87
30	7.03	8.30	8.37	8.62	---	8.97	9.24	7.76	7.42	6.81	5.05	7.06
31	7.12	---	8.38	8.66	---	9.00	---	7.76	---	6.99	5.25	---

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582314134351201. Local number, CD04006619BCDD2020.

LOCATION.--Lat 58°23'14", Long 134°35'12", in SE¹/₄ SW¹/₄ NW¹/₄ sec. 19, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301. Well located near the northwest corner of garage at 9220 Gee Street, Juneau. Owner: Don Thomas

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5-in. steel casing, depth 49.1 ft, screen opening from 46.1 to 49.1 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS personnel April 2000 to January 2001; submersible pressure transducer/electric data logger January 2001 to current year.

DATUM.--Elevation of land-surface datum is 43.09 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.92 ft above land-surface datum.

REMARKS.--Well drilled 1974, designated as Don's well. Missing record July 21, 2002.

PERIOD OF RECORD.--April 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.40 ft below land-surface datum, August 13, 2002; lowest, 10.61 ft below land-surface datum, April 18, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 5.40 ft below land-surface datum, August 13; lowest, 10.61 ft below land-surface datum, April 18.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.66	8.85	9.71	9.59	9.93	9.67	10.29	10.07	7.62	6.86	6.52	6.43
2	7.37	8.88	9.83	9.67	9.90	9.30	10.29	10.07	7.62	6.47	6.62	6.47
3	7.38	8.76	9.81	9.71	9.94	9.09	10.30	10.01	7.57	6.36	6.57	6.73
4	7.64	8.87	9.87	9.85	10.00	9.12	10.32	10.02	7.23	6.40	6.67	6.81
5	7.85	8.95	9.94	9.78	10.06	9.21	10.30	10.10	7.00	6.46	6.66	6.98
6	7.89	9.05	9.95	9.71	10.07	9.30	10.33	10.10	7.00	6.47	6.80	7.15
7	7.83	9.13	9.87	9.71	10.10	9.35	10.40	10.09	7.13	6.57	6.52	6.96
8	7.99	9.20	9.87	9.64	10.18	9.47	10.41	10.10	7.30	6.64	5.84	6.93
9	8.01	8.96	9.81	9.48	10.03	9.51	10.37	10.06	7.11	6.70	5.72	7.00
10	8.01	8.93	9.85	9.40	10.05	9.55	10.39	9.95	6.86	6.60	5.70	7.16
11	7.98	9.01	9.86	9.23	9.84	9.57	10.43	9.81	6.80	6.62	5.87	7.18
12	7.98	9.02	9.83	9.25	9.45	9.72	10.44	9.62	6.84	6.56	5.78	7.21
13	8.18	9.07	9.78	9.44	9.36	9.88	10.41	9.46	7.02	6.61	5.40	7.33
14	8.25	9.11	9.88	9.50	9.24	9.94	10.39	9.36	6.90	6.64	5.44	7.58
15	8.25	9.17	9.88	9.44	8.92	10.02	10.46	9.26	6.74	6.58	5.81	7.48
16	8.34	9.29	9.93	9.43	8.77	10.05	10.51	9.16	6.65	6.71	6.28	7.57
17	8.14	9.34	10.03	9.39	8.77	10.05	10.57	9.15	6.65	6.68	6.43	7.49
18	7.78	9.28	10.06	9.34	8.83	10.07	10.58	9.02	6.67	6.69	6.45	7.38
19	7.53	9.26	10.15	9.21	8.92	10.20	10.52	8.87	6.87	6.72	6.45	7.33
20	7.58	9.29	10.16	9.22	9.15	10.22	10.40	8.57	6.98	6.83	6.50	7.32
21	7.65	9.42	10.15	9.39	9.29	10.18	10.32	8.33	7.02	6.83	---	7.27
22	7.65	9.48	10.21	9.48	9.40	10.19	10.33	8.23	7.12	6.67	6.40	7.43
23	7.86	9.43	10.04	9.42	9.48	10.21	10.33	8.14	7.13	6.62	6.32	7.52
24	8.14	9.42	9.78	9.48	9.54	10.30	10.32	8.00	7.11	6.44	6.31	7.68
25	8.36	9.44	9.57	9.70	9.56	10.19	10.31	7.91	6.87	6.23	6.56	7.53
26	8.36	9.54	9.50	9.78	9.57	10.20	10.28	7.91	6.73	6.16	6.66	7.68
27	8.61	9.56	9.48	9.83	9.60	10.16	10.27	7.83	6.61	6.26	6.38	7.65
28	8.73	9.55	9.55	9.78	9.67	10.20	10.28	7.73	6.62	6.13	6.30	7.63
29	8.67	9.58	9.60	9.78	---	10.14	10.29	7.71	6.72	6.31	6.24	7.67
30	8.67	9.67	9.61	9.80	---	10.10	10.20	7.77	6.85	6.43	6.34	7.89
31	8.75	---	9.61	9.86	---	10.14	---	7.71	---	6.61	6.49	---

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582322134341001. Local number, CD04006619ACAB1050.

LOCATION.--Lat 58°23'20", Long 134°34'17", in NE¹/₄ SW¹/₄ NE¹/₄ sec. 19, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301. Well located at 3737 North El Camino Street, 30 ft west of the southwest corner of the house and 70 ft from North El Camino Street, Juneau. Owner: Nicholas Hindman.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 15 ft, screen opening from 2.5 to 4.7 ft, open hole.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, University of Alaska-Southeast, and US Forest Service personnel July 1997 to current year.

DATUM.--Elevation of land-surface datum is 43.87 ft above sea level (determined from levels survey). Measuring point: Top of casing 1.2 ft above land-surface datum.

REMARKS.--Well drilled July 7, 1997 by USGS, designated as Duck Creek #17 (Hindman Well). Well sampled for water quality, September 3, 1997, January 26, 1998, and September 3, 1998.

PERIOD OF RECORD.--July 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft below land-surface datum, October 23, 1999; lowest, 2.53 ft below land-surface datum, March 12, 1998 and March 21, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	1.22	Jul 02	1.58
Mar 21	2.53		

582326134341901. Local number, CD04006619ADBA1011.

LOCATION.--Lat 58°23'36", Long 134°34'19", in NW¹/₄ SE¹/₄ NE¹/₄ sec. 19, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301. Well located 6 ft southeast of a bike path, 25 ft southeast of Mendenhall Loop Road, and about 450 ft southwest of intersection of Mendenhall Loop Road and Valley Boulevard, Juneau. Owner: Bruce B. Bigelow.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25-in. galvanized iron casing, depth 15 ft, screen opening from 11 to 15 ft using sandpoint.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS and University of Alaska-Southeast personnel June 1997 to current year.

DATUM.--Elevation of land-surface datum is 45.76 ft above sea level (determined by levels survey). Measuring point: Top of casing 1.3 ft above land-surface datum.

REMARKS.--Well drilled June 23, 1997 by USGS, designated as Duck Creek #18 (Bigelow Well).

PERIOD OF RECORD.--June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.01 ft above land-surface datum, July 25 and August 12, 1997; lowest, 2.55 ft below land-surface datum, April 23, 1999.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 11	0.71	Jul 02	1.29
Mar 20	1.75		

SOUTHEAST ALASKA

JUNEAU--CONTINUED

582359134352103. Local number, CD04006618CBCA3019 85177

LOCATION.--Lat 58°23'59", Long 134°35'21", SW¹/₄ NW¹/₄ SW¹/₄ sec.18, T. 40 S., R. 66 E. (Juneau B-2 NW quad), Hydrologic Unit 19010301, Well is located in steel gage house by sewage treatment plant on Riverbend Road, 1/4 mile off of the Mendenhall Loop Road, Juneau. Owner: Harlan Olsen.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6-in. PVC casing, depth 40 ft, screen opening from 30 to 40 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by USGS, November 1983 to current year; continuous strip-chart recorder, November 1983 to August 1984; Digital recorder, August 1984 to April 1997; submersible pressure transducer/electric data logger, August 1997 to September 1998; electronic data logger and encoder, September 1998 to current year.

DATUM.--Elevation of land-surface datum is 50.53 ft above sea level (determined by levels survey). Measuring point: Top of casing 0.77 ft above land-surface datum.

REMARKS.--Well drilled November 3, 1983 by USGS, designated as Mendenhall well. Well sampled for water quality, May 17, 1984.

PERIOD OF RECORD.--November 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.89 ft below land-surface datum, September 25, 1990; lowest measured, 13.54 ft below land-surface datum, February 2, 1997.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 6.06 ft below land-surface datum, August 13-14; lowest, 11.55 ft below land-surface datum, December 23.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.83	8.24	10.34	10.62	---	---	---	---	---	---	---	6.20
2	7.57	8.32	10.56	10.68	---	---	---	---	---	---	---	6.24
3	7.58	8.26	10.63	10.77	---	---	---	---	---	---	---	6.50
4	7.74	8.30	10.72	#11.01	---	---	---	---	---	---	---	6.75
5	7.92	8.48	10.84	---	---	---	---	---	---	---	---	6.96
6	8.13	8.64	10.90	---	---	---	---	---	---	---	9.74	7.20
7	8.08	8.80	10.95	---	---	---	---	---	---	---	8.59	6.63
8	8.21	8.98	10.97	---	---	---	---	---	---	---	7.39	6.63
9	7.94	8.35	10.90	---	---	---	---	---	---	---	7.04	6.72
10	7.94	8.35	10.93	---	---	---	---	---	---	---	6.99	6.90
11	7.79	8.46	10.98	---	---	---	---	---	---	---	7.03	7.04
12	7.74	8.57	10.95	---	---	---	---	---	---	---	6.25	7.05
13	7.83	8.76	10.93	---	---	---	---	---	---	---	6.06	7.19
14	7.98	8.92	11.01	---	---	---	---	---	---	---	6.06	7.38
15	7.98	9.06	11.04	---	---	---	---	---	---	---	6.30	7.53
16	7.81	9.24	11.05	---	---	---	---	---	---	---	6.64	7.56
17	7.34	9.34	11.17	---	---	---	---	---	---	---	6.96	7.49
18	7.09	9.30	11.23	---	---	---	---	---	---	---	7.20	6.93
19	6.85	9.30	11.32	---	---	---	---	---	---	#9.77	7.37	6.90
20	6.85	9.37	11.42	---	---	---	---	---	---	---	7.53	6.89
21	6.90	9.56	11.42	---	---	---	---	---	---	---	6.93	6.74
22	6.90	9.71	11.49	---	---	---	---	---	---	---	6.81	6.77
23	7.07	9.65	11.36	---	---	---	---	---	---	---	6.59	7.01
24	7.32	9.65	10.66	---	---	---	---	---	---	---	6.59	7.26
25	7.54	9.65	10.29	---	---	---	---	---	---	---	6.78	7.41
26	7.57	9.81	10.23	---	---	---	---	---	---	#8.89	6.96	7.44
27	7.87	9.94	10.21	---	---	---	---	---	---	---	6.35	7.44
28	8.10	9.96	10.32	---	---	---	---	---	---	---	6.20	7.44
29	7.87	10.06	10.43	---	---	---	---	---	---	---	6.06	7.56
30	7.87	10.25	10.52	---	---	---	---	---	---	---	6.06	7.82
31	8.05	---	10.53	---	---	---	---	---	---	---	6.09	---

result of tapedown

GROUND-WATER LEVEL DATA

SOUTH-CENTRAL ALASKA

MUNICIPALITY OF ANCHORAGE.

611725149335401. Local number, SB01400223BCCD1003.

LOCATION.--Lat 61°17'26", long 149°35'39", in SE¹/₄ SW¹/₄ SW¹/₄ NW¹/₄ sec.23, T.14 N., R.2 W.(Anchorage B-7SW quad), Hydrologic Unit 19020401, at Anchorage Regional Landfill, Glenn Highway and Hiland Road interchange, Anchorage. Owner: Municipality of Anchorage.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in., depth 132 ft, cased to 118 ft, open hole. Casing perforated from 111 to 117 ft. Bedrock from 117 ft. Driller's log notes casing break at 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S. Geological Survey personnel July 1997 to September 1999. electronic data logger from September 3, 1999 to current year.

DATUM.--Elevation of land surface datum is 542.56 ft above sea level (determined by level survey). Measuring point: Top of casing 3.4 ft above land-surface datum.

REMARKS.--Observation well drilled by Municipality of Anchorage, designated as KB-6.

PERIOD OF RECORD.--August 1986, July 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.88 ft below land-surface datum, June 7, 2000; lowest, 114.25 ft below land-surface datum, Aug. 21, 1986.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 109.02 ft. below land-surface datum, July 3; lowest, 110.83 ft. below land-surface datum, April 15 and April 16.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110.49	110.53	110.59	110.68	110.73	110.75	110.81	110.64	109.78	109.06	109.36	110.00
2	110.52	110.54	110.58	110.69	110.72	110.78	110.80	110.59	109.75	109.04	109.38	110.03
3	110.49	110.54	110.60	110.71	110.70	110.78	110.80	110.59	109.71	109.02	109.39	110.04
4	110.49	110.57	110.60	110.68	110.71	110.77	110.80	110.59	109.67	109.03	109.40	110.05
5	110.48	110.55	110.60	110.64	110.74	110.78	110.80	110.56	109.65	109.04	109.41	110.05
6	110.51	110.55	110.62	110.69	110.72	110.77	110.81	110.55	109.61	109.05	109.42	110.06
7	110.52	110.55	110.62	110.71	110.72	110.77	110.82	110.52	109.56	109.05	109.44	110.08
8	110.50	110.55	110.61	110.69	110.73	110.78	110.81	110.49	109.52	109.06	109.47	110.11
9	110.50	110.55	110.62	110.70	110.69	110.76	110.81	110.48	109.49	109.07	109.49	110.12
10	110.52	110.55	110.62	110.71	110.73	110.77	110.82	110.46	109.46	109.05	109.49	110.15
11	110.52	110.56	110.60	110.71	110.73	110.77	110.82	110.44	109.43	109.07	109.51	110.15
12	110.53	110.55	110.64	110.72	110.73	110.79	110.82	110.41	109.40	109.09	109.51	110.14
13	110.52	110.55	110.65	110.71	110.70	110.79	110.81	110.38	109.36	109.07	109.58	110.16
14	110.52	110.56	110.63	110.69	110.76	110.79	110.82	110.36	109.30	109.09	109.60	110.16
15	110.50	110.56	110.63	110.69	110.74	110.78	110.83	110.34	109.28	109.10	109.61	110.19
16	110.51	110.58	110.65	110.70	110.74	110.79	110.83	110.31	109.25	109.11	109.63	110.20
17	110.49	110.53	110.65	110.67	110.74	110.78	110.82	110.29	109.22	109.11	109.64	110.20
18	110.54	110.56	110.65	110.70	110.76	110.80	110.81	110.25	109.21	109.14	109.66	110.21
19	110.53	110.55	110.62	110.70	110.76	110.80	110.81	110.22	109.19	109.16	109.68	110.23
20	110.51	110.58	110.62	110.74	110.77	110.79	110.81	110.18	109.16	109.18	109.68	110.23
21	110.53	110.58	110.64	110.72	110.76	110.78	110.81	110.16	109.14	109.18	109.72	110.23
22	110.54	110.59	110.64	110.70	110.76	110.78	110.79	110.15	109.11	109.19	109.75	110.23
23	110.55	110.61	110.65	110.71	110.76	110.79	110.77	110.11	109.10	109.19	109.78	110.25
24	110.55	110.59	110.66	110.73	110.76	110.78	110.76	110.06	109.07	109.21	109.82	110.23
25	110.54	110.59	110.66	110.73	110.75	110.78	110.74	110.02	109.07	109.25	109.84	110.25
26	110.53	110.59	110.66	110.72	110.75	110.79	110.72	109.98	109.06	109.24	109.87	110.24
27	110.54	110.58	110.65	110.72	110.74	110.80	110.70	109.94	109.06	109.27	109.88	110.27
28	110.54	110.58	110.68	110.72	110.75	110.80	110.67	109.91	109.03	109.29	109.90	110.28
29	110.54	110.59	110.68	110.72	---	110.80	110.67	109.90	109.03	109.30	109.93	110.29
30	110.54	110.60	110.69	110.73	---	110.80	110.61	109.87	109.05	109.33	109.94	110.28
31	110.53	---	110.68	110.72	---	110.81	---	109.83	---	109.35	109.97	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH

644321147163801. Local number, FD00200223DDBA1003.

LOCATION.--Lat 64°43'21", Long 147°16'38", in NW¹/₄ SE¹/₄ SE¹/₄ sec. 23, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 0.3 mi east of the Dyke Road, Old Richardson Highway and Levee Road intersection in city of North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 20.4 ft, screen opening from 15.4 to 19.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 508.1 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.62 ft above land surface datum.

REMARKS.--Observation well drilled April 10, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-14. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.49 ft below land-surface datum, August 22, 2002; lowest, 12.14 ft below land-surface datum, December 9-11, 2001.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 9.49 ft below land-surface datum, August 22; lowest, 12.14 ft below land-surface datum, December 9-11.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.57	12.00	12.00	11.93	11.93	11.91	11.26	10.70	10.82	10.18	10.18
2	---	11.55	12.03	11.99	11.91	11.93	11.91	11.05	10.60	10.63	10.23	10.27
3	---	11.51	12.03	12.00	11.90	11.93	11.91	10.90	10.59	10.29	10.27	10.34
4	---	11.50	12.07	12.01	11.90	11.92	11.90	10.79	10.63	10.29	10.34	10.39
5	---	11.48	12.09	11.98	11.91	11.91	11.89	10.73	10.68	9.94	10.40	10.42
6	---	11.48	12.10	11.99	11.91	11.91	11.90	10.72	10.76	9.88	10.44	10.29
7	---	11.49	12.11	11.99	11.91	11.91	11.90	10.75	10.81	9.91	10.41	10.31
8	---	11.50	12.12	11.99	11.91	11.91	11.89	10.77	10.85	9.95	10.34	10.44
9	---	11.55	12.13	11.98	11.90	11.91	11.89	10.80	10.86	9.99	10.29	10.51
10	---	11.60	12.13	11.99	11.89	11.90	11.89	10.88	10.87	10.02	10.21	10.55
11	---	11.66	12.12	11.98	11.90	11.90	11.90	10.92	10.79	10.08	10.23	10.59
12	---	11.70	12.12	11.98	11.89	11.91	11.90	10.85	10.79	10.17	10.28	10.63
13	11.54	11.74	12.13	11.97	11.88	11.93	11.90	10.73	10.78	10.24	10.28	10.67
14	11.56	11.77	12.10	11.96	11.88	11.94	11.90	10.71	10.75	10.30	10.35	10.72
15	11.59	11.76	12.08	11.99	11.89	11.95	11.91	10.69	10.72	10.35	10.38	10.76
16	11.61	11.77	12.08	11.97	11.89	11.95	11.93	10.69	10.72	10.37	9.86	10.81
17	11.64	11.76	12.09	11.95	11.87	11.95	11.92	10.68	10.75	10.39	9.59	10.84
18	11.67	11.76	12.09	11.94	11.87	11.96	11.92	10.67	10.79	10.37	9.53	10.84
19	11.72	11.78	12.08	11.92	11.88	11.98	11.92	10.65	10.70	10.37	9.53	10.90
20	11.76	11.78	12.06	11.90	11.89	11.97	11.90	10.61	10.68	10.27	9.57	10.96
21	11.78	11.79	12.06	11.89	11.90	11.97	11.90	10.56	10.67	10.27	9.55	10.99
22	11.82	11.82	12.07	11.86	11.90	11.96	11.88	10.52	10.67	10.30	9.49	11.03
23	11.86	11.85	12.08	11.86	11.91	11.96	11.88	10.45	10.70	10.28	9.56	11.06
24	11.90	11.88	12.08	11.87	11.92	11.95	11.87	10.42	10.72	10.27	9.56	11.10
25	11.93	11.89	12.07	11.90	11.92	11.94	11.86	10.40	10.69	9.99	9.59	11.13
26	11.96	11.91	12.06	11.92	11.92	11.94	11.84	10.39	10.69	10.00	9.66	11.11
27	11.97	11.93	12.05	11.92	11.93	11.94	11.79	10.41	10.72	9.94	9.75	11.10
28	11.88	11.94	12.05	11.94	11.92	11.94	11.69	10.43	10.75	9.94	9.85	11.13
29	11.77	11.96	12.03	11.95	---	11.93	11.57	10.45	10.78	9.99	9.95	11.16
30	11.68	11.98	12.03	11.95	---	11.92	11.41	10.53	10.81	10.07	10.00	11.09
31	11.61	---	12.02	11.94	---	11.91	---	10.63	---	10.11	10.09	---

GROUND-WATER LEVEL DATA

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644331147183901. Local number, FD00200222DABD1006.

LOCATION.--Lat 64°43'31", Long 147°18'39", in NW¹/₄ NE¹/₄ SE¹/₄ sec. 22, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located on north side of Old Richardson Highway and VFW Road intersection in city of North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 17.1 ft, screen opening from 12.1 to 16.6 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 498.1 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.57 ft above land surface datum.

REMARKS.--Observation well drilled April 9, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-16. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.21 ft below land-surface datum, August 20-21, 2002; lowest, 7.10 ft below land-surface datum, April 15-16, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 4.21 ft below land-surface datum, August 20-21; lowest, 7.10 ft below land-surface datum, April 15-16.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.10	6.80	6.80	6.84	6.93	7.07	6.04	5.51	5.32	4.59	4.99
2	---	6.09	6.84	6.80	6.83	6.93	7.07	5.81	5.49	5.25	4.63	5.06
3	---	6.08	6.86	6.81	6.83	6.93	7.08	5.62	5.48	5.11	4.66	5.12
4	---	6.07	6.89	6.82	6.83	6.93	7.07	5.51	5.48	5.02	4.74	5.16
5	---	6.05	6.91	6.81	6.84	6.93	7.07	5.45	5.50	4.78	4.83	5.21
6	---	6.05	6.90	6.83	6.84	6.93	7.07	5.46	5.55	4.67	4.87	5.21
7	---	6.11	6.90	6.84	6.84	6.94	7.06	5.50	5.59	4.65	4.84	5.21
8	---	6.18	6.89	6.83	6.85	6.94	7.05	5.60	5.59	4.63	4.82	5.25
9	---	6.27	6.89	6.82	6.84	6.95	7.05	5.74	5.59	4.63	4.81	5.26
10	---	6.35	6.87	6.83	6.84	6.95	7.05	5.83	5.59	4.63	4.73	5.27
11	---	6.42	6.85	6.83	6.84	6.95	7.06	5.89	5.54	4.67	4.73	5.30
12	---	6.47	6.84	6.83	6.84	6.97	7.07	5.86	5.52	4.76	4.79	5.34
13	6.54	6.51	6.83	6.82	6.83	6.99	7.07	5.74	5.42	4.84	4.80	5.39
14	6.57	6.50	6.80	6.82	6.83	7.00	7.07	5.70	5.33	4.86	4.84	5.44
15	6.60	6.50	6.78	6.85	6.84	7.01	7.08	5.67	5.30	4.87	4.86	5.49
16	6.64	6.50	6.77	6.82	6.83	7.02	7.09	5.62	5.29	4.87	4.65	5.55
17	6.68	6.46	6.77	6.79	6.82	7.03	7.08	5.61	5.30	4.84	4.42	5.60
18	6.72	6.46	6.76	6.78	6.83	7.04	7.08	5.59	5.36	4.82	4.36	5.65
19	6.77	6.49	6.78	6.76	6.84	7.06	7.07	5.54	5.36	4.78	4.24	5.70
20	6.82	6.50	6.77	6.74	6.85	7.06	7.04	5.47	5.34	4.73	4.21	5.76
21	6.86	6.51	6.77	6.73	6.87	7.07	7.03	5.42	5.33	4.72	4.21	5.80
22	6.91	6.53	6.78	6.72	6.87	7.08	7.01	5.33	5.31	4.72	4.23	5.83
23	6.94	6.56	6.79	6.72	6.90	7.08	6.99	5.25	5.30	4.68	4.27	5.87
24	6.98	6.60	6.79	6.75	6.91	7.08	6.99	5.21	5.29	4.66	4.26	5.92
25	7.02	6.63	6.80	6.81	6.90	7.08	6.98	5.20	5.30	4.52	4.27	5.96
26	7.05	6.64	6.80	6.83	6.90	7.08	6.94	5.20	5.28	4.49	4.34	6.00
27	6.75	6.67	6.80	6.85	6.92	7.08	6.82	5.22	5.27	4.46	4.46	6.01
28	6.51	6.70	6.79	6.88	6.91	7.08	6.64	5.23	5.28	4.45	4.59	6.03
29	6.34	6.73	6.78	6.88	---	7.06	6.44	5.25	5.31	4.47	4.73	6.04
30	6.22	6.77	6.79	6.87	---	7.06	6.23	5.34	5.33	4.51	4.82	6.02
31	6.13	---	6.80	6.85	---	7.07	---	5.45	---	4.53	4.90	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644345147172101. Local number, FD00200223BDAD1002.

LOCATION.--Lat 64°43' 45", Long 147°17'21", in NE¹/₄ SE¹/₄ NW¹/₄ sec. 23, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 0.2 mi south on Dyke Road from intersection with Laurance Road in city of North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 13.0 ft, screen opening from 7.8 to 12.8 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 498.1 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.10 ft above land surface datum.

REMARKS.--Observation well drilled June 7, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-13. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.75 ft below land-surface datum, August 24-25, 2002; lowest, 8.00 ft below land-surface datum, April 16, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 5.75 ft below land-surface datum, August 24-25; lowest, 8.00 ft below land-surface datum, April 16.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.44	7.72	7.83	7.85	7.90	7.98	7.22	6.61	6.63	6.09	6.02
2	---	7.42	7.74	7.83	7.84	7.90	7.99	7.11	6.62	6.61	6.10	6.07
3	---	7.40	7.75	7.83	7.84	7.91	7.99	7.03	6.60	6.51	6.12	6.10
4	---	7.39	7.78	7.84	7.83	7.91	7.98	6.95	6.60	6.47	6.15	6.12
5	---	7.37	7.80	7.82	7.84	7.90	7.98	6.89	6.61	6.38	6.18	6.14
6	---	7.36	7.81	7.82	7.85	7.90	7.98	6.85	6.64	6.27	6.22	6.13
7	---	7.36	7.82	7.83	7.84	7.90	7.98	6.83	6.66	6.21	6.24	6.13
8	---	7.36	7.83	7.84	7.85	7.90	7.97	6.83	6.68	6.18	6.23	6.16
9	---	7.38	7.84	7.83	7.84	7.91	7.97	6.84	6.68	6.16	6.23	6.18
10	---	7.41	7.84	7.84	7.83	7.90	7.97	6.86	6.70	6.15	6.18	6.21
11	---	7.45	7.84	7.85	7.84	7.90	7.98	6.88	6.70	6.15	6.18	6.23
12	---	7.48	7.84	7.85	7.83	7.91	7.98	6.89	6.68	6.17	6.19	6.25
13	7.31	7.51	7.85	7.85	7.83	7.92	7.98	6.85	6.66	6.20	6.20	6.28
14	7.34	7.53	7.84	7.84	7.82	7.93	7.98	6.82	6.63	6.21	6.23	6.31
15	7.36	7.53	7.83	7.86	7.84	7.93	7.98	6.80	6.60	6.23	6.24	6.34
16	7.38	7.54	7.83	7.85	7.84	7.94	7.99	6.79	6.59	6.24	6.10	6.38
17	7.40	7.54	7.83	7.83	7.83	7.94	7.99	6.78	6.59	6.25	5.94	6.41
18	7.43	7.54	7.83	7.82	7.83	7.95	7.99	6.76	6.61	6.25	5.89	6.44
19	7.46	7.55	7.83	7.81	7.84	7.96	7.99	6.74	6.60	6.24	5.83	6.47
20	7.50	7.55	7.81	7.81	7.85	7.97	7.97	6.71	6.59	6.22	5.79	6.51
21	7.52	7.56	7.81	7.80	7.87	7.97	7.97	6.68	6.58	6.21	5.79	6.54
22	7.55	7.57	7.82	7.78	7.87	7.97	7.96	6.66	6.58	6.21	5.76	6.57
23	7.59	7.59	7.84	7.77	7.87	7.97	7.95	6.62	6.58	6.19	5.76	6.59
24	7.62	7.62	7.84	7.78	7.88	7.98	7.94	6.58	6.58	6.19	5.75	6.62
25	7.66	7.63	7.84	7.81	7.88	7.97	7.93	6.55	6.58	6.12	5.75	6.64
26	7.69	7.65	7.84	7.83	7.88	7.98	7.90	6.54	6.58	6.09	5.77	6.67
27	7.70	7.67	7.84	7.83	7.89	7.98	7.81	6.53	6.58	6.07	5.80	6.69
28	7.64	7.67	7.85	7.84	7.88	7.99	7.70	6.52	6.59	6.05	5.84	6.70
29	7.59	7.68	7.84	7.85	---	7.99	7.52	6.52	6.60	6.05	5.90	6.73
30	7.53	7.70	7.84	7.85	---	7.98	7.30	6.54	6.62	6.05	5.94	6.74
31	7.48	---	7.84	7.85	---	7.99	---	6.58	---	6.06	5.97	---

GROUND-WATER LEVEL DATA

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644400147151501. Local number, FD00200224ABBB1001 51659.

LOCATION.--Lat 64°44'00", long 147°15'15", in NW¹/₄ NW¹/₄ NE¹/₄ sec. 24, T.2 S., R.2 E., (Fairbanks C-1) Fairbanks Meridian, Hydrologic Unit 19040506, in road right-of-way at intersection of Nelson and Laurence Roads near North Pole. Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4-in., depth 30 ft, screened from 27.5 to 30 ft using a 2-in. diameter well point.

INSTRUMENTATION.--Strip-chart recorder from June 1976 to May 1980. Digital recorder--1-hour punch interval, from November 1983 to June 1995. Electronic data logger from June 1995 to present.

DATUM.--Elevation of land-surface datum is 503.5 ft above sea level (determined by levels survey). Measuring point: top of casing 2.97 ft above land-surface datum.

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers designated as P-251.

PERIOD OF RECORD.--June 1976 to May 1980 and November 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.84 ft below land-surface datum, June 7, 1992; lowest, 13.70 ft below land-surface datum, February 18-20, 1988.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 11.42 ft below land-surface datum, September 6-7; lowest, 13.58 ft below land-surface datum, April 18-24.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.39	12.95	13.19	13.45	13.47	13.50	13.55	13.13	12.32	12.33	11.93	11.45
2	12.43	12.96	13.21	13.45	13.47	13.51	13.55	13.05	12.31	12.30	11.93	11.45
3	12.44	12.96	13.22	13.45	13.47	13.51	13.55	12.99	12.30	12.28	11.92	11.44
4	12.46	12.97	13.23	13.45	13.47	13.51	13.55	12.93	12.29	12.26	11.92	11.44
5	12.47	12.97	13.24	13.45	13.48	13.51	13.55	12.88	12.30	12.23	11.93	11.43
6	12.49	12.97	13.26	13.45	13.47	13.51	13.55	12.84	12.30	12.20	11.94	11.42
7	12.50	12.97	13.27	13.46	13.48	13.51	13.55	12.79	12.31	12.17	11.95	11.42
8	12.52	12.97	13.28	13.46	13.48	13.52	13.55	12.75	12.31	12.14	11.96	11.43
9	12.53	12.98	13.29	13.46	13.47	13.51	13.55	12.72	12.30	12.11	11.97	11.44
10	12.55	12.98	13.31	13.47	13.47	13.51	13.55	12.69	12.32	12.09	11.95	11.45
11	12.57	12.99	13.32	13.47	13.48	13.51	13.55	12.66	12.33	12.07	11.94	11.45
12	12.59	13.00	13.33	13.47	13.47	13.52	13.55	12.62	12.34	12.06	11.94	11.45
13	12.61	13.01	13.35	13.47	13.47	13.52	13.55	12.60	12.34	12.04	11.96	11.47
14	12.63	13.02	13.35	13.47	13.48	13.52	13.55	12.57	12.33	12.04	11.98	11.48
15	12.64	13.03	13.36	13.48	13.48	13.52	13.56	12.55	12.32	12.03	11.95	11.50
16	12.66	13.05	13.37	13.48	13.48	13.52	13.56	12.54	12.31	12.02	11.91	11.53
17	12.67	13.05	13.38	13.47	13.48	13.53	13.56	12.52	12.31	12.03	11.88	11.55
18	12.69	13.07	13.39	13.48	13.48	13.53	13.57	12.50	12.31	12.03	11.83	11.56
19	12.72	13.07	13.39	13.48	13.49	13.53	13.57	12.48	12.32	12.03	11.80	11.60
20	12.74	13.08	13.39	13.48	13.49	13.53	13.57	12.46	12.32	12.02	11.75	11.63
21	12.75	13.09	13.40	13.47	13.49	13.53	13.57	12.44	12.30	12.02	11.71	11.64
22	12.78	13.10	13.41	13.46	13.49	13.54	13.57	12.42	12.29	12.01	11.67	11.65
23	12.80	13.12	13.42	13.46	13.49	13.54	13.57	12.41	12.29	12.00	11.63	11.67
24	12.82	13.13	13.41	13.46	13.49	13.54	13.57	12.39	12.29	12.00	11.60	11.69
25	12.84	13.14	13.42	13.46	13.49	13.54	13.56	12.37	12.29	11.99	11.56	11.70
26	12.86	13.15	13.43	13.46	13.49	13.54	13.55	12.36	12.29	11.98	11.53	11.70
27	12.88	13.16	13.43	13.46	13.49	13.54	13.51	12.34	12.30	11.97	11.50	11.73
28	12.90	13.16	13.44	13.47	13.50	13.55	13.44	12.33	12.29	11.96	11.48	11.75
29	12.92	13.17	13.44	13.47	---	13.55	13.32	12.33	12.30	11.95	11.46	11.78
30	12.94	13.18	13.44	13.47	---	13.55	13.22	12.33	12.31	11.94	11.45	11.78
31	12.94	---	13.45	13.47	---	13.55	---	12.33	---	11.93	11.45	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644401147193801. Local number, FD00200222BABA1005.

LOCATION.--Lat 64°44'01", Long 147°19'38", in NW¹/₄ NE¹/₄ NW¹/₄ sec. 22, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located at southeast corner of Laurance Road and Old Richardson Highway intersection in city of North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 14.1 ft, screen opening from 9.1 to 13.6 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 493.7 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of inner casing 3.56 ft above land surface datum.

REMARKS.--Observation well drilled April 9, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-15. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.55 ft below land-surface datum, August 9, 2001; lowest, 6.27 ft below land-surface datum, April 15-19, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 3.56 ft below land-surface datum, August 22, 2002; lowest, 6.27 ft below land-surface datum, April 15-19, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.32	5.81	5.83	5.93	6.06	6.23	5.38	4.76	4.58	4.01	4.15
2	---	5.29	5.84	5.84	5.92	6.06	6.23	5.19	4.77	4.53	4.04	4.23
3	---	5.25	5.86	5.84	5.92	6.07	6.24	5.05	4.75	4.43	4.07	4.28
4	---	5.23	5.88	5.87	5.92	6.07	6.24	4.93	4.74	4.37	4.13	4.31
5	---	5.20	5.89	5.85	5.94	6.07	6.24	4.86	4.75	4.22	4.18	4.35
6	---	5.19	5.89	5.86	5.94	6.07	6.24	4.85	4.80	4.10	4.23	4.35
7	---	5.21	5.89	5.88	5.94	6.07	6.24	4.85	4.82	4.05	4.23	4.35
8	---	5.26	5.88	5.88	5.95	6.08	6.24	4.87	4.81	4.03	4.23	4.40
9	---	5.33	5.88	5.88	5.94	6.09	6.24	4.91	4.82	4.02	4.23	4.41
10	---	5.40	5.88	5.88	5.93	6.08	6.23	4.95	4.82	4.01	4.14	4.43
11	---	5.47	5.85	5.90	5.95	6.09	6.24	5.02	4.78	4.03	4.14	4.46
12	---	5.50	5.85	5.89	5.94	6.10	6.25	5.06	4.75	4.08	4.17	4.49
13	5.65	5.54	5.84	5.88	5.94	6.12	6.25	5.00	4.67	4.13	4.18	4.54
14	5.68	5.55	5.81	5.88	5.94	6.13	6.25	4.98	4.61	4.16	4.23	4.59
15	5.70	5.55	5.80	5.91	5.97	6.14	6.26	4.96	4.58	4.19	4.23	4.63
16	5.73	5.56	5.79	5.88	5.97	6.15	6.26	4.92	4.58	4.21	3.95	4.69
17	5.77	5.53	5.79	5.86	5.96	6.16	6.26	4.91	4.58	4.21	3.77	4.75
18	5.81	5.53	5.79	5.86	5.96	6.17	6.26	4.89	4.61	4.21	3.68	4.79
19	5.86	5.55	5.79	5.85	5.98	6.18	6.26	4.85	4.61	4.21	3.63	4.85
20	5.91	5.55	5.77	5.84	5.99	6.19	6.24	4.80	4.58	4.17	3.60	4.91
21	5.94	5.56	5.78	5.83	6.00	6.20	6.23	4.75	4.57	4.16	3.60	4.95
22	5.98	5.59	5.79	5.82	6.01	6.21	6.22	4.70	4.56	4.16	3.56	4.99
23	6.03	5.61	5.81	5.82	6.02	6.21	6.21	4.64	4.56	4.13	3.57	5.03
24	6.06	5.64	5.81	5.84	6.03	6.21	6.21	4.60	4.56	4.13	3.60	5.08
25	6.10	5.67	5.81	5.88	6.03	6.21	6.20	4.58	4.56	3.99	3.60	5.12
26	6.14	5.68	5.81	5.90	6.03	6.21	6.16	4.56	4.55	3.96	3.65	5.16
27	5.93	5.70	5.82	5.92	6.05	6.21	6.06	4.56	4.55	3.93	3.73	5.19
28	5.75	5.73	5.83	5.94	6.05	6.22	5.92	4.55	4.55	3.92	3.82	5.21
29	5.61	5.75	5.82	5.95	---	6.23	5.74	4.56	4.57	3.92	3.93	5.24
30	5.49	5.79	5.82	5.95	---	6.22	5.55	4.62	4.59	3.94	4.00	5.22
31	5.39	---	5.84	5.94	---	6.23	---	4.71	---	3.96	4.07	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644402147132801. Local number, FD00200319BAAB1001.

LOCATION.--Lat 64°44'02", Long 147°13'28", in NE¹/4 NE¹/4 NW¹/4 sec. 19, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 1.2 mi. east of gate at gravel road from U.S. Army Corps of Engineers office, then north of gravel road beneath power lines, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 24.3 ft, screen opening from 19.2 to 24.2 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 503.5 ft. above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 6.20 ft. above land surface datum.

REMARKS.--Observation well drilled September 7, 1994 by the U.S. Army Corps of Engineers and designated as USAP-1. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.10 ft below land-surface datum, September 15, 2002; lowest, 14.62 ft below land-surface datum, April 24-26, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 12.10 ft below land-surface datum, September 15; lowest, 14.62 ft below land-surface datum, April 24-26.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	13.71	14.03	14.34	14.45	14.52	14.57	14.35	13.37	13.32	12.98	12.36
2	---	13.72	14.04	14.34	14.45	14.52	14.57	14.24	13.36	13.32	12.97	12.34
3	---	13.74	14.05	14.35	14.45	14.53	14.57	14.15	13.35	13.32	12.95	12.30
4	---	13.76	14.07	14.35	14.46	14.53	14.57	14.06	13.34	13.32	12.94	12.28
5	13.34	13.78	14.08	14.35	14.46	14.53	14.57	13.98	13.33	13.31	12.93	12.24
6	13.35	13.79	14.08	14.35	14.46	14.53	14.57	13.94	13.33	13.30	12.93	12.22
7	13.38	13.80	14.09	14.35	14.46	14.53	14.57	13.93	13.32	13.29	12.93	12.20
8	13.39	13.81	14.11	14.37	14.47	14.53	14.58	13.89	13.32	13.27	12.93	12.19
9	13.39	13.81	14.12	14.37	14.47	14.53	14.58	13.87	13.31	13.25	12.94	12.18
10	13.40	13.82	14.13	14.38	14.46	14.53	14.58	13.84	13.31	13.23	12.92	12.16
11	13.42	13.83	14.13	14.39	14.47	14.53	14.58	13.82	13.31	13.21	12.92	12.14
12	13.43	13.84	14.14	14.40	14.47	14.54	14.58	13.79	13.32	13.19	12.92	12.13
13	13.46	13.85	14.16	14.40	14.47	14.54	14.58	13.76	13.32	13.16	12.93	12.11
14	13.48	13.86	14.17	14.40	14.48	14.54	14.59	13.73	13.32	13.15	12.95	12.11
15	13.49	13.86	14.17	14.41	14.49	14.55	14.59	13.70	13.31	13.14	12.94	12.10
16	13.49	13.87	14.18	14.42	14.49	14.55	14.59	13.69	13.31	13.12	12.93	12.11
17	13.50	13.89	14.20	14.42	14.49	14.55	14.59	13.67	13.30	13.10	12.92	12.11
18	13.51	13.89	14.21	14.42	14.49	14.55	14.60	13.64	13.30	13.09	12.90	12.11
19	13.54	13.91	14.22	14.42	14.50	14.55	14.60	13.61	13.30	13.08	12.88	12.12
20	13.55	13.91	14.23	14.43	14.50	14.56	14.60	13.59	13.31	13.07	12.84	12.15
21	13.55	13.92	14.23	14.43	14.50	14.56	14.60	13.56	13.30	13.06	12.81	12.16
22	13.57	13.93	14.25	14.43	14.50	14.56	14.60	13.54	13.30	13.05	12.77	12.16
23	13.59	13.95	14.27	14.43	14.50	14.55	14.60	13.52	13.30	13.04	12.74	12.16
24	13.61	13.97	14.28	14.43	14.50	14.55	14.61	13.50	13.30	13.04	12.69	12.17
25	13.64	13.98	14.28	14.44	14.51	14.55	14.61	13.47	13.30	13.03	12.64	12.17
26	13.64	13.99	14.29	14.44	14.51	14.55	14.61	13.45	13.30	13.02	12.59	12.17
27	13.64	14.00	14.30	14.44	14.51	14.56	14.60	13.43	13.30	13.02	12.54	12.19
28	13.65	14.00	14.31	14.44	14.51	14.56	14.58	13.41	13.30	13.02	12.50	12.20
29	13.67	14.01	14.32	14.44	---	14.56	14.54	13.40	13.30	13.01	12.46	12.24
30	13.69	14.02	14.33	14.45	---	14.57	14.45	13.39	13.31	12.99	12.42	12.25
31	13.70	---	14.33	14.45	---	14.57	---	13.38	---	12.98	12.38	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644402147150401. Local number, FD00200224ABBA1002.

LOCATION.--Lat 64°44'02", Long 147°15'04", in NW¹/₄ NW¹/₄ NE¹/₄ sec. 24, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 0.1 mi east of Laurance Road and Nelson Road intersection, then 50 ft east of road behind grove of trees towards levy, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 19.4 ft, screen openings from 9.4 to 13.9 ft and 14.4 to 18.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 502.8 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.70 ft above land surface datum.

REMARKS.--Observation well drilled March 12, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-11. Records are fair due to unquantified movement of the measuring point. Missing daily values October 29, 31 and November 1, 2 due to equipment malfunction.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.11 ft below land-surface datum, September 7-8, 2002; lowest, 13.31 ft below land-surface datum, April 19 and 21-25, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 11.11 ft below land-surface datum, September 7-8; lowest, 13.31 ft below land-surface datum, April 19 and 21-25.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	12.83	13.11	13.16	13.21	13.28	12.90	12.05	12.09	11.67	11.16
2	---	---	12.85	13.11	13.16	13.22	13.29	12.81	12.05	12.09	11.67	11.16
3	---	12.58	12.85	13.12	13.16	13.23	13.29	12.76	12.04	12.06	11.67	11.14
4	---	12.59	12.87	13.13	13.15	13.24	13.28	12.70	12.04	12.03	11.66	11.14
5	12.12	12.61	12.88	13.11	13.17	13.23	13.28	12.65	12.04	12.02	11.66	11.13
6	12.14	12.61	12.89	13.11	13.17	13.23	13.28	12.60	12.04	11.99	11.67	11.12
7	12.16	12.61	12.90	13.11	13.17	13.23	13.28	12.56	12.04	11.96	11.68	11.11
8	12.16	12.61	12.92	13.12	13.18	13.23	13.28	12.51	12.04	11.93	11.69	11.11
9	12.17	12.61	12.93	13.13	13.17	13.22	13.28	12.48	12.05	11.90	11.70	11.12
10	12.18	12.62	12.94	13.13	13.16	13.21	13.27	12.45	12.05	11.88	11.69	11.13
11	12.21	12.63	12.95	13.15	13.17	13.21	13.28	12.42	12.07	11.85	11.68	11.12
12	12.23	12.63	12.96	13.16	13.17	13.22	13.28	12.39	12.08	11.83	11.67	11.12
13	12.26	12.65	12.98	13.16	13.16	13.23	13.28	12.36	12.08	11.81	11.68	11.13
14	12.27	12.65	13.00	13.15	13.17	13.24	13.28	12.33	12.07	11.80	11.71	11.14
15	12.29	12.66	13.00	13.16	13.18	13.24	13.28	12.31	12.07	11.80	11.70	11.15
16	12.30	12.68	13.01	13.15	13.18	13.24	13.29	12.29	12.06	11.79	11.67	11.18
17	12.31	12.69	13.02	13.15	13.18	13.24	13.29	12.28	12.06	11.78	11.64	11.20
18	12.33	12.69	13.03	13.15	13.18	13.24	13.30	12.25	12.06	11.78	11.60	11.21
19	12.36	12.71	13.04	13.15	13.19	13.26	13.29	12.23	12.07	11.77	11.56	11.24
20	12.37	12.71	13.03	13.16	13.20	13.26	13.30	12.20	12.06	11.77	11.51	11.27
21	12.37	12.73	13.03	13.16	13.20	13.26	13.30	12.19	12.06	11.76	11.47	11.30
22	12.40	12.74	13.05	13.15	13.21	13.26	13.31	12.18	12.05	11.76	11.43	11.30
23	12.43	12.76	13.07	13.15	13.21	13.25	13.30	12.16	12.05	11.75	11.39	11.31
24	12.46	12.78	13.07	13.15	13.21	13.25	13.30	12.14	12.05	11.75	11.35	11.33
25	12.47	12.79	13.08	13.16	13.20	13.25	13.30	12.12	12.05	11.74	11.32	11.34
26	12.48	12.80	13.08	13.15	13.20	13.25	13.29	12.10	12.05	11.72	11.28	11.34
27	12.49	12.81	13.09	13.15	13.20	13.26	13.27	12.09	12.06	11.72	11.24	11.37
28	12.52	12.81	13.10	13.15	13.20	13.27	13.21	12.07	12.06	11.71	11.22	11.38
29	---	12.82	13.11	13.15	---	13.27	13.11	12.06	12.07	11.70	11.20	11.42
30	12.55	12.82	13.11	13.15	---	13.28	12.99	12.06	12.08	11.69	11.17	11.43
31	---	---	13.12	13.16	---	13.28	---	12.06	---	11.68	11.16	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644402147182601. Local number, FD00200222AAAA1004.

LOCATION.--Lat 64°44'02", Long 147°18'26", in NE¹/₄ NE¹/₄ NE¹/₄ sec. 22, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 25 ft southeast of southeast corner of Laurance Road and Treaty Street intersection, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 15.0 ft, screen opening from 10.1 to 14.6 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 496.3 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.30 ft above land surface datum.

REMARKS.--Observation well drilled April 10, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-12. Record are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.63 ft below land-surface datum, August 22, 2002; lowest, 8.00 ft below land-surface datum, April 15-19, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 5.63 ft below land-surface datum, August 22; lowest, 8.00 ft below land-surface datum, April 15-19.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.44	7.75	7.79	7.83	7.88	7.98	7.18	6.58	6.48	6.01	6.01
2	---	7.41	7.78	7.79	7.82	7.88	7.98	7.06	6.57	6.42	6.03	6.06
3	---	7.38	7.79	7.80	7.82	7.88	7.99	6.95	6.56	6.32	6.05	6.10
4	---	7.37	7.82	7.81	7.81	7.88	7.99	6.86	6.55	6.29	6.08	6.12
5	---	7.34	7.83	7.80	7.83	7.88	7.98	6.80	6.56	6.13	6.12	6.14
6	---	7.34	7.83	7.80	7.83	7.88	7.99	6.77	6.59	6.07	6.16	6.10
7	---	7.34	7.84	7.81	7.83	7.88	7.99	6.76	6.61	6.05	6.17	6.11
8	---	7.35	7.84	7.82	7.84	7.88	7.98	6.77	6.61	6.04	6.16	6.16
9	---	7.39	7.84	7.82	7.83	7.89	7.98	6.78	6.61	6.03	6.15	6.19
10	---	7.43	7.83	7.82	7.82	7.88	7.98	6.80	6.62	6.02	6.09	6.21
11	---	7.48	7.82	7.83	7.83	7.88	7.98	6.84	6.60	6.03	6.09	6.23
12	---	7.51	7.82	7.83	7.82	7.89	7.99	6.86	6.59	6.05	6.11	6.26
13	7.39	7.54	7.82	7.82	7.82	7.90	7.99	6.81	6.55	6.08	6.13	6.29
14	7.41	7.56	7.80	7.82	7.82	7.91	7.99	6.79	6.51	6.10	6.16	6.33
15	7.44	7.56	7.79	7.83	7.83	7.92	7.99	6.77	6.48	6.13	6.17	6.36
16	7.47	7.57	7.78	7.82	7.83	7.92	7.99	6.75	6.47	6.14	5.86	6.41
17	7.50	7.56	7.78	7.81	7.82	7.93	7.99	6.74	6.47	6.14	5.74	6.44
18	7.55	7.56	7.78	7.80	7.82	7.94	8.00	6.72	6.49	6.14	5.70	6.47
19	7.59	7.57	7.78	7.79	7.82	7.95	7.99	6.70	6.48	6.14	5.69	6.50
20	7.63	7.57	7.76	7.78	7.84	7.96	7.98	6.66	6.46	6.11	5.69	6.55
21	7.66	7.58	7.77	7.77	7.85	7.96	7.97	6.63	6.45	6.10	5.67	6.58
22	7.70	7.59	7.78	7.75	7.85	7.96	7.96	6.59	6.45	6.10	5.63	6.60
23	7.74	7.61	7.79	7.75	7.85	7.97	7.95	6.56	6.45	6.09	5.64	6.63
24	7.77	7.63	7.79	7.77	7.86	7.97	7.94	6.52	6.45	6.09	5.66	6.67
25	7.81	7.65	7.79	7.80	7.86	7.97	7.93	6.48	6.44	5.97	5.67	6.70
26	7.84	7.66	7.79	7.81	7.86	7.97	7.88	6.47	6.44	5.96	5.70	6.73
27	7.79	7.67	7.79	7.82	7.87	7.97	7.79	6.47	6.44	5.92	5.75	6.74
28	7.70	7.69	7.80	7.83	7.87	7.98	7.66	6.46	6.44	5.92	5.80	6.75
29	7.62	7.71	7.79	7.84	---	7.98	7.48	6.46	6.46	5.92	5.87	6.79
30	7.55	7.73	7.79	7.84	---	7.98	7.31	6.49	6.47	5.95	5.90	6.77
31	7.48	---	7.80	7.84	---	7.98	---	6.54	---	5.97	5.95	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644403147112901. Local number, FD00200317CDDD1005.

LOCATION.--Lat 64°44'03", Long 147°11'29", in SE¹/₄ SE¹/₄ SW¹/₄ sec. 17, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 2.2 mi east of gate at gravel road from U.S. Army Corps of Engineers office, then just beyond powerlines north of gravel road, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 20.0 ft, screen opening from 14.9 to 19.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 501.5 ft. above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.57 ft. above land surface datum.

REMARKS.--Observation well drilled September 8, 1994 by the U.S. Army Corps of Engineers and designated as USAP-2. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.09 ft below land-surface datum, September 30, 2002; lowest, 11.08 ft below land-surface datum, May 1, 2 and 17, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 5.09 ft below land-surface datum, September 30; lowest, 11.08 ft below land-surface datum, May 1, 2 and 17.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	8.89	9.45	9.95	10.24	10.45	10.72	10.89	10.79	10.67	9.75	7.92
2	---	8.95	9.48	9.95	10.25	10.47	10.71	10.80	10.78	10.55	9.75	7.88
3	---	8.95	9.48	10.01	10.22	10.58	10.72	10.80	10.76	10.47	9.73	7.73
4	---	9.02	9.53	9.98	10.22	10.50	10.67	10.91	10.73	10.65	9.69	7.66
5	8.88	9.03	9.51	9.89	10.32	10.49	10.66	10.85	10.81	10.61	9.68	7.58
6	8.88	9.04	9.56	9.96	10.31	10.50	10.73	10.87	10.82	10.47	9.73	7.37
7	8.83	9.04	9.59	10.00	10.31	10.50	10.69	10.86	10.77	10.37	9.73	7.27
8	8.77	9.04	9.59	10.01	10.34	10.53	10.69	10.78	10.67	10.29	9.76	7.27
9	8.75	9.08	9.61	10.02	10.24	10.50	10.72	10.86	10.72	10.30	9.77	7.31
10	8.77	9.08	9.65	10.09	10.26	10.48	10.75	10.93	10.77	10.16	9.64	7.24
11	8.76	9.11	9.63	10.10	10.30	10.52	10.79	10.94	10.83	10.18	9.65	7.16
12	8.78	9.12	9.66	10.11	10.29	10.58	10.72	10.89	10.81	10.15	9.64	7.09
13	8.79	9.16	9.71	10.09	10.24	10.58	10.73	10.83	10.74	10.03	9.78	7.08
14	8.79	9.16	9.71	10.07	10.32	10.61	10.76	10.86	10.70	10.09	9.68	7.01
15	8.75	9.18	9.72	10.12	10.33	10.56	10.82	10.88	10.65	10.18	9.61	7.05
16	8.77	9.24	9.76	10.07	10.35	10.55	10.75	10.99	10.63	10.09	9.55	7.06
17	8.72	9.20	9.77	10.04	10.34	10.60	10.72	10.99	10.65	10.06	9.29	6.86
18	8.78	9.22	9.78	10.07	10.40	10.63	10.78	10.89	10.64	10.07	8.93	6.72
19	8.81	9.25	9.77	10.11	10.43	10.60	10.75	10.86	10.67	10.09	8.74	6.78
20	8.78	9.25	9.73	10.19	10.48	10.62	10.78	10.82	10.68	10.08	8.58	6.72
21	8.78	9.29	9.82	10.19	10.42	10.57	10.84	10.83	10.64	9.99	8.60	6.58
22	8.84	9.32	9.79	10.14	10.43	10.57	10.87	10.89	10.59	9.98	8.50	6.46
23	8.85	9.36	9.86	10.17	10.46	10.60	10.82	10.85	10.60	9.91	8.48	6.44
24	8.90	9.38	9.88	10.24	10.40	10.59	10.83	10.80	10.62	9.95	8.32	6.25
25	8.90	9.38	9.87	10.21	10.43	10.59	10.81	10.75	10.63	9.97	8.21	6.19
26	8.86	9.40	9.89	10.18	10.43	10.65	10.79	10.79	10.66	9.88	8.10	5.97
27	8.87	9.40	9.90	10.18	10.36	10.69	10.89	10.80	10.66	9.89	7.94	5.77
28	8.87	9.40	9.94	10.20	10.34	10.72	10.80	10.75	10.63	9.98	7.93	5.78
29	8.86	9.42	9.94	10.19	---	10.71	10.86	10.80	10.66	9.88	7.94	5.55
30	8.91	9.43	9.95	10.23	---	10.70	10.67	10.91	10.71	9.83	7.85	5.09
31	8.89	---	9.95	10.23	---	10.70	---	10.86	---	9.81	7.87	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644408147162001. Local number, FD00200214DDDA1003.

LOCATION.--Lat 64°44'08", Long 147°16'20", in SE¹/₄ SE¹/₄ SE¹/₄ sec. 14, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located 10 ft off shoulder of northeast corner of Anton Road and Seavy Road intersection, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 15.2 ft, screen opening from 10.2 to 15.2 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 499.7 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.62 ft above land surface datum.

REMARKS.--Observation well drilled June 7, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-10. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.88 ft below land-surface datum, August 28, 2002; lowest, 10.95 ft below land-surface datum, March 31, April 1-4, 6-7, 16, 18 and 22-23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 8.88 ft below land-surface datum, August 28; lowest, 10.95 ft below land-surface datum, March 31, April 1-4, 6-7, 16, 18 and 22-23.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.39	10.61	10.82	10.85	10.88	10.95	10.36	9.70	9.75	9.30	8.94
2	---	10.41	10.62	10.82	10.84	10.88	10.95	10.31	9.70	9.74	9.31	8.96
3	---	10.41	10.63	10.82	10.84	10.90	10.95	10.25	9.69	9.69	9.31	8.97
4	---	10.41	10.65	10.82	10.84	10.91	10.94	10.23	9.69	9.67	9.32	8.97
5	9.91	10.41	10.66	10.80	10.84	10.90	10.93	10.18	9.69	9.64	9.33	8.97
6	9.93	10.40	10.67	10.80	10.85	10.90	10.93	10.15	9.70	9.58	9.34	8.96
7	9.95	10.39	10.69	10.81	10.85	10.89	10.94	10.11	9.71	9.54	9.36	8.96
8	9.96	10.39	10.70	10.81	10.85	10.90	10.93	10.08	9.71	9.50	9.37	8.97
9	9.96	10.39	10.71	10.81	10.85	10.89	10.92	10.06	9.72	9.47	9.38	8.99
10	9.99	10.40	10.71	10.82	10.84	10.88	10.92	10.03	9.73	9.44	9.36	9.02
11	10.00	10.42	10.72	10.83	10.84	10.88	10.93	10.02	9.75	9.43	9.35	9.03
12	10.03	10.42	10.73	10.84	10.84	10.89	10.93	10.00	9.76	9.41	9.35	9.05
13	10.07	10.44	10.74	10.84	10.84	10.89	10.93	9.98	9.75	9.40	9.36	9.07
14	10.09	10.45	10.75	10.84	10.84	10.90	10.93	9.96	9.74	9.40	9.38	9.08
15	10.11	10.45	10.76	10.84	10.85	10.90	10.93	9.94	9.73	9.40	9.38	9.10
16	10.12	10.46	10.76	10.84	10.85	10.90	10.94	9.92	9.73	9.40	9.32	9.14
17	10.13	10.47	10.77	10.84	10.85	10.90	10.94	9.91	9.72	9.40	9.26	9.17
18	10.15	10.47	10.77	10.84	10.85	10.91	10.93	9.89	9.73	9.41	9.25	9.18
19	10.19	10.49	10.78	10.83	10.86	10.92	10.94	9.88	9.73	9.41	9.13	9.21
20	10.21	10.49	10.77	10.83	10.87	10.92	10.93	9.85	9.72	9.41	9.09	9.24
21	10.22	10.50	10.77	10.83	10.87	10.93	10.93	9.83	9.71	9.40	9.06	9.27
22	10.25	10.51	10.78	10.82	10.87	10.91	10.94	9.82	9.70	9.40	9.02	9.28
23	10.28	10.53	10.79	10.81	10.87	10.91	10.94	9.79	9.70	9.39	8.99	9.29
24	10.31	10.54	10.80	10.82	10.87	10.91	10.93	9.77	9.71	9.39	8.96	9.32
25	10.34	10.55	10.80	10.84	10.87	10.90	10.92	9.75	9.71	9.38	8.94	9.33
26	10.36	10.57	10.80	10.83	10.87	10.91	10.88	9.73	9.71	9.36	8.92	9.35
27	10.38	10.58	10.80	10.83	10.87	10.91	10.75	9.72	9.71	9.35	8.91	9.36
28	10.40	10.58	10.82	10.84	10.87	10.92	10.75	9.70	9.72	9.34	8.88	9.38
29	10.41	10.59	10.82	10.84	---	10.93	10.60	9.70	9.72	9.33	8.92	9.41
30	10.43	10.59	10.82	10.84	---	10.94	10.47	9.70	9.73	9.31	8.91	9.42
31	10.41	---	10.82	10.85	---	10.94	---	9.70	---	9.31	8.92	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644423147124601. Local number, FD00200318DABC1006.

LOCATION.--Lat 64°44'23", Long 147°12'46", in NW¹/₄ NE¹/₄ SE¹/₄ sec. 18, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located in Chena River Recreation Area, North Pole. From recreation area entrance station well is approximately 0.8 mi southeast on dirt road from levee followed by 0.4 mi northeast on intersecting dirt road.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 20.0 ft, screen opening from 14.9 to 19.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 499.6 ft. above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 6.77 ft. above land surface datum.

REMARKS.--Observation well drilled September 9, 1994 by the U.S. Army Corps of Engineers and designated as USAP-3. Records are fair due to unquantified movement of the measuring point. Missing daily values Oct. 5 and 9 due to equipment malfunction.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.36 ft below land-surface datum, September 26-28, 2002; lowest, 11.37 ft below land-surface datum, April 22-28, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 8.36 ft below land-surface datum, September 26-28; lowest, 11.37 ft below land-surface datum, April 22-28.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.14	10.50	10.87	11.11	11.22	11.31	11.13	10.09	9.96	9.59	8.83
2	---	10.16	10.52	10.87	11.11	11.22	11.32	11.02	10.08	9.95	9.58	8.81
3	---	10.18	10.52	10.88	11.11	11.23	11.32	10.95	10.07	9.95	9.57	8.77
4	---	10.20	10.54	10.90	11.11	11.24	11.32	10.88	10.06	9.95	9.56	8.74
5	---	10.22	10.55	10.90	11.13	11.24	11.32	10.81	10.05	9.94	9.55	8.71
6	9.77	10.23	10.56	10.90	11.14	11.23	11.32	10.76	10.04	9.93	9.54	8.67
7	9.81	10.24	10.57	10.91	11.14	11.24	11.32	10.70	10.03	9.91	9.54	8.65
8	9.81	10.24	10.58	10.93	11.15	11.24	11.33	10.64	10.02	9.89	9.54	8.63
9	---	10.25	10.59	10.94	11.14	11.25	11.33	10.61	10.01	9.88	9.54	8.60
10	9.82	10.26	10.60	10.95	11.14	11.25	11.33	10.58	10.01	9.86	9.52	8.57
11	9.85	10.28	10.62	10.97	11.15	11.25	11.33	10.54	10.01	9.85	9.52	8.55
12	9.88	10.28	10.62	10.99	11.15	11.25	11.33	10.52	10.01	9.83	9.51	8.52
13	9.91	10.30	10.64	11.00	11.15	11.25	11.34	10.49	10.00	9.81	9.52	8.49
14	9.92	10.31	10.66	11.00	11.16	11.26	11.34	10.46	9.99	9.79	9.53	8.47
15	9.93	10.31	10.66	11.01	11.17	11.26	11.34	10.44	9.99	9.78	9.52	8.46
16	9.94	10.33	10.67	11.02	11.17	11.26	11.34	10.42	9.98	9.76	9.51	8.45
17	9.94	10.35	10.69	11.02	11.17	11.27	11.34	10.40	9.97	9.74	9.49	8.43
18	9.95	10.35	10.70	11.03	11.17	11.27	11.35	10.37	9.97	9.73	9.45	8.42
19	9.99	10.37	10.71	11.04	11.19	11.28	11.35	10.34	9.96	9.72	9.40	8.42
20	9.99	10.37	10.71	11.05	11.20	11.28	11.35	10.31	9.96	9.71	9.34	8.42
21	9.99	10.38	10.72	11.05	11.20	11.28	11.35	10.29	9.95	9.70	9.30	8.40
22	10.01	10.40	10.74	11.05	11.20	11.29	11.36	10.28	9.95	9.69	9.24	8.39
23	10.04	10.43	10.76	11.05	11.20	11.29	11.36	10.26	9.95	9.67	9.20	8.39
24	10.06	10.45	10.77	11.07	11.21	11.29	11.36	10.23	9.94	9.67	9.15	8.38
25	10.08	10.46	10.78	11.09	11.21	11.29	11.36	10.20	9.94	9.66	9.10	8.37
26	10.08	10.47	10.79	11.09	11.22	11.29	11.36	10.18	9.94	9.64	9.04	8.36
27	10.08	10.48	10.80	11.09	11.22	11.29	11.37	10.16	9.94	9.64	8.99	8.36
28	10.10	10.48	10.82	11.09	11.22	11.30	11.35	10.14	9.94	9.64	8.96	8.36
29	10.10	10.48	10.83	11.09	---	11.30	11.31	10.13	9.94	9.63	8.92	8.38
30	10.13	10.49	10.85	11.10	---	11.31	11.22	10.13	9.94	9.62	8.88	8.37
31	10.13	---	10.86	11.11	---	11.31	---	10.11	---	9.61	8.85	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644435147141901. Local number, FD00200213ADAD1007.

LOCATION.--Lat 64°44'35", Long 147°14'19", in NE¹/₄ SE¹/₄ NE¹/₄ sec. 13, T.2 S., R.2 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located south on Gordon Road from the intersection with Lyle Road, south of shoulder where road veers west, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 19.15 ft, screen opening from 14.2 to 18.7 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 500.5 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.45 ft above land surface datum.

REMARKS.--Observation well drilled April 6, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-8S. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.52 ft below land-surface datum, September 13-15, 2002; lowest, 13.05 ft below land-surface datum, April 24, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 10.52 ft below land-surface datum, September 13-15; lowest, 13.05 ft below land-surface datum, April 24.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.08	12.38	12.70	12.85	12.93	13.01	12.72	11.70	11.68	11.34	10.73
2	---	12.09	12.39	12.70	12.86	12.94	13.01	12.62	11.69	11.69	11.33	10.71
3	---	12.11	12.40	12.70	12.85	12.95	13.01	12.58	11.69	11.68	11.32	10.68
4	---	12.12	12.42	12.72	12.85	12.95	13.01	12.52	11.67	11.68	11.32	10.66
5	---	12.15	12.43	12.70	12.86	12.95	13.01	12.46	11.67	11.66	11.31	10.64
6	---	12.15	12.44	12.70	12.87	12.95	13.01	12.42	11.67	11.63	11.31	10.61
7	---	12.16	12.45	12.71	12.87	12.95	13.01	12.37	11.66	11.62	11.31	10.60
8	---	12.16	12.46	12.73	12.88	12.95	13.01	12.33	11.65	11.60	11.31	10.58
9	---	12.17	12.47	12.73	12.87	12.95	13.02	12.30	11.65	11.58	11.32	10.58
10	---	12.18	12.48	12.74	12.87	12.95	13.02	12.27	11.65	11.55	11.32	10.56
11	---	12.19	12.49	12.76	12.88	12.95	13.02	12.24	11.66	11.54	11.31	10.55
12	---	12.20	12.49	12.77	12.88	12.96	13.02	12.20	11.66	11.51	11.30	10.53
13	11.84	12.21	12.51	12.78	12.88	12.96	13.02	12.17	11.67	11.49	11.32	10.52
14	11.85	12.21	12.53	12.78	12.88	12.97	13.02	12.14	11.66	11.48	11.34	10.52
15	11.87	12.22	12.53	12.79	12.89	12.97	13.02	12.11	11.65	11.47	11.34	10.52
16	11.87	12.22	12.54	12.79	12.89	12.97	13.03	12.08	11.65	11.45	11.33	10.53
17	11.87	12.24	12.55	12.79	12.90	12.97	13.02	12.05	11.65	11.44	11.29	10.53
18	11.89	12.24	12.57	12.79	12.90	12.97	13.03	12.02	11.64	11.43	11.26	10.53
19	11.92	12.26	12.58	12.80	12.91	12.98	13.03	11.99	11.65	11.42	11.24	10.55
20	11.93	12.26	12.57	12.81	12.91	12.98	13.03	11.95	11.65	11.42	11.20	10.58
21	11.93	12.27	12.58	12.82	12.92	12.98	13.03	11.92	11.65	11.41	11.15	10.59
22	11.95	12.28	12.59	12.82	12.92	12.98	13.04	11.90	11.64	11.40	11.11	10.59
23	11.97	12.30	12.62	12.82	12.92	12.98	13.04	11.87	11.64	11.39	11.07	10.59
24	11.99	12.33	12.63	12.83	12.92	12.98	13.04	11.84	11.64	11.39	11.02	10.59
25	12.01	12.33	12.64	12.84	12.92	12.98	13.04	11.81	11.64	11.38	10.98	10.60
26	12.02	12.35	12.64	12.84	12.92	12.99	13.03	11.79	11.65	11.37	10.93	10.60
27	12.02	12.36	12.65	12.84	12.92	12.99	13.02	11.77	11.65	11.37	10.88	10.61
28	12.04	12.36	12.67	12.84	12.92	13.00	12.98	11.75	11.66	11.37	10.85	10.63
29	12.04	12.36	12.68	12.84	---	13.00	12.92	11.74	11.66	11.36	10.81	10.67
30	12.06	12.37	12.69	12.84	---	13.00	12.80	11.73	11.67	11.36	10.78	10.68
31	12.07	---	12.70	12.85	---	13.01	---	11.72	---	11.35	10.75	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644435147141902. Local number, FD00200213ADAD2007.

LOCATION.--Lat 64°44'35", Long 147°14'19", in NE¹/₄ SE¹/₄ NE¹/₄ sec. 13, T.2 S., R.2 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located 0.3 miles south on Gordon Road from the intersection with Lyle Road, south of shoulder where road veers west, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 64.39 ft, screen opening from 59.5 to 64.0 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 500.8 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.26 ft above land surface datum.

REMARKS.--Observation well drilled April 6, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-8D. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.83 ft below land-surface datum, September 14, 2002; lowest, 13.36 ft below land-surface datum, April 22-24, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 10.83 ft below land-surface datum, September 14; lowest, 13.36 ft below land-surface datum, April 22-24.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.44	12.72	13.02	13.17	13.24	13.32	13.03	12.01	12.00	11.66	11.05
2	---	12.45	12.73	13.02	13.17	13.25	13.32	12.94	12.00	12.00	11.65	11.03
3	---	12.45	12.74	13.03	13.17	13.26	13.32	12.89	12.00	11.99	11.64	11.00
4	---	12.46	12.76	13.05	13.17	13.26	13.32	12.83	11.98	11.99	11.63	10.98
5	---	12.48	12.76	13.04	13.19	13.26	13.32	12.77	11.98	11.98	11.63	10.95
6	---	12.49	12.77	13.05	13.19	13.26	13.33	12.73	11.98	11.95	11.63	10.93
7	---	12.50	12.78	13.05	13.19	13.26	13.33	12.69	11.98	11.93	11.63	10.91
8	---	12.50	12.79	13.07	13.20	13.26	13.33	12.65	11.97	11.91	11.63	10.90
9	---	12.51	12.80	13.07	13.19	13.26	13.33	12.61	11.97	11.89	11.64	10.89
10	---	12.51	12.82	13.08	13.19	13.26	13.33	12.59	11.97	11.87	11.64	10.88
11	---	12.52	12.82	13.09	13.20	13.26	13.33	12.55	11.98	11.85	11.63	10.87
12	---	12.53	12.83	13.10	13.20	13.27	13.33	12.51	11.98	11.83	11.62	10.85
13	12.16	12.54	12.84	13.10	13.19	13.27	13.33	12.48	11.98	11.80	11.64	10.84
14	12.18	12.55	12.86	13.10	13.20	13.28	13.33	12.45	11.98	11.79	11.66	10.83
15	12.19	12.56	12.86	13.11	13.21	13.28	13.34	12.42	11.97	11.78	11.65	10.84
16	12.20	12.57	12.87	13.12	13.21	13.28	13.34	12.39	11.97	11.77	11.64	10.85
17	12.21	12.58	12.89	13.11	13.21	13.29	13.34	12.36	11.96	11.75	11.61	10.85
18	12.23	12.58	12.90	13.11	13.22	13.29	13.34	12.32	11.96	11.75	11.59	10.85
19	12.25	12.60	12.91	13.13	13.22	13.29	13.34	12.30	11.96	11.74	11.56	10.87
20	12.26	12.61	12.91	13.14	13.23	13.29	13.34	12.26	11.97	11.73	11.51	10.90
21	12.27	12.62	12.92	13.14	13.23	13.29	13.35	12.23	11.96	11.73	11.47	10.91
22	12.28	12.63	12.93	13.14	13.23	13.29	13.35	12.20	11.96	11.72	11.43	10.91
23	12.30	12.64	12.95	13.14	13.23	13.29	13.35	12.17	11.96	11.71	11.38	10.91
24	12.33	12.66	12.96	13.15	13.23	13.30	13.35	12.15	11.96	11.71	11.34	10.92
25	12.35	12.67	12.96	13.16	13.24	13.30	13.35	12.12	11.96	11.70	11.29	10.92
26	12.36	12.68	12.97	13.15	13.23	13.30	13.34	12.10	11.96	11.69	11.25	10.91
27	12.37	12.69	12.98	13.16	13.24	13.30	13.33	12.08	11.97	11.69	11.20	10.93
28	12.38	12.69	13.00	13.16	13.23	13.31	13.29	12.06	11.97	11.69	11.16	10.95
29	12.39	12.70	13.00	13.16	---	13.31	13.23	12.05	11.98	11.68	11.13	10.99
30	12.41	12.71	13.01	13.16	---	13.32	13.11	12.04	11.98	11.67	11.09	10.99
31	12.43	---	13.02	13.17	---	13.32	---	12.03	---	11.67	11.07	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644435147172001. Local number, FD00200214ACBC1002.

LOCATION.--Lat 64°44'35", Long 147°17'20", in NW¹/₄ SW¹/₄ NE¹/₄ sec. 14, T.2 S., R.2 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located 25 ft off shoulder of southeast corner of Newby Road and Newby Park intersection, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 16.9 ft, screen opening from 11.9 to 16.4 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 12, 2001 to current year.

DATUM.--Elevation of land-surface datum is 494.9 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of inner casing 2.53 ft above land surface datum.

REMARKS.--Observation well drilled April 8, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-9. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.96 ft below land-surface datum, August 26, 2002; lowest, 8.72 ft below land-surface datum, April 15-19, 22, 23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 6.96 ft below land-surface datum, August 26; lowest, 8.72 ft below land-surface datum, April 15-19, 22, 23.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	8.33	8.47	8.59	8.61	8.64	8.71	8.02	7.68	7.73	7.39	7.09
2	---	8.33	8.48	8.59	8.62	8.64	8.71	7.93	7.66	7.70	7.39	7.09
3	---	8.32	8.49	8.59	8.61	8.64	8.71	7.90	7.66	7.63	7.40	7.08
4	---	8.32	8.50	8.60	8.61	8.65	8.71	7.92	7.65	7.61	7.41	7.07
5	---	8.30	8.51	8.58	8.61	8.65	8.70	7.94	7.66	7.56	7.41	7.07
6	---	8.30	8.51	8.58	8.62	8.64	8.71	7.92	7.66	7.50	7.43	7.03
7	---	8.29	8.52	8.59	8.62	8.64	8.71	7.90	7.66	7.46	7.44	7.03
8	---	8.28	8.53	8.60	8.62	8.64	8.71	7.88	7.67	7.43	7.45	7.05
9	---	8.28	8.53	8.60	8.61	8.64	8.70	7.86	7.76	7.41	7.45	7.21
10	---	8.29	8.53	8.61	8.61	8.63	8.70	7.85	7.79	7.39	7.42	7.29
11	---	8.30	8.54	8.62	8.61	8.63	8.71	7.85	7.80	7.37	7.42	7.34
12	8.03	8.31	8.54	8.62	8.61	8.64	8.71	7.84	7.80	7.36	7.42	7.36
13	8.05	8.32	8.55	8.62	8.61	8.65	8.71	7.83	7.80	7.35	7.43	7.37
14	8.07	8.33	8.55	8.62	8.61	8.65	8.71	7.82	7.79	7.35	7.45	7.39
15	8.09	8.34	8.55	8.63	8.62	8.66	8.71	7.80	7.77	7.36	7.45	7.40
16	8.10	8.35	8.56	8.62	8.62	8.65	8.72	7.79	7.76	7.40	7.35	7.44
17	8.12	8.36	8.56	8.61	8.61	8.66	8.71	7.78	7.75	7.44	7.25	7.45
18	8.14	8.36	8.56	8.61	8.61	8.66	8.71	7.77	7.76	7.44	7.20	7.45
19	8.17	8.37	8.56	8.61	8.62	8.67	8.71	7.76	7.74	7.43	7.16	7.47
20	8.19	8.37	8.55	8.61	8.62	8.67	8.71	7.74	7.72	7.42	7.13	7.50
21	8.20	8.37	8.55	8.61	8.63	8.67	8.70	7.72	7.71	7.41	7.09	7.51
22	8.22	8.38	8.56	8.59	8.63	8.67	8.71	7.71	7.71	7.39	7.04	7.52
23	8.25	8.40	8.57	8.59	8.63	8.67	8.71	7.69	7.75	7.40	7.02	7.53
24	8.27	8.41	8.58	8.59	8.63	8.67	8.70	7.67	7.75	7.40	6.99	7.55
25	8.29	8.42	8.58	8.61	8.63	8.67	8.70	7.66	7.75	7.35	6.97	7.56
26	8.32	8.43	8.58	8.60	8.63	8.67	8.65	7.64	7.76	7.34	6.96	7.57
27	8.33	8.44	8.58	8.60	8.63	8.67	8.56	7.63	7.75	7.35	7.03	7.60
28	8.35	8.44	8.59	8.61	8.63	8.68	8.44	7.68	7.74	7.41	7.08	7.62
29	8.35	8.45	8.59	8.61	---	8.70	8.27	7.69	7.73	7.40	7.08	7.65
30	8.35	8.46	8.59	8.61	---	8.70	8.14	7.68	7.73	7.40	7.08	7.67
31	8.34	---	8.59	8.62	---	8.70	---	7.69	---	7.40	7.09	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644444147143901. Local number, FD00200213AACD1005.

LOCATION.--Lat 64°44'44", Long 147°14'39", in SW¹/₄ NE¹/₄ NE¹/₄ sec. 13, T.2 S., R.2 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 0.2 mi south on Silver Street from the intersection with Lyle Road, then 15 ft south of road, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 17.15 ft, screen opening from 12.4 to 16.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 498.4 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.42 ft above land surface datum.

REMARKS.--Observation well drilled April 8, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-7. Records are fair due to unquantified movement of the measuring point. Missing daily values Jan. 9-23 and Jan. 27 to Mar. 15 due to equipment malfunction.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.01 ft below land-surface datum, September 13-15, 2002; lowest, 11.48 ft below land-surface datum, April 22-25, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 9.01 ft below land-surface datum, September 13-15; lowest, 11.48 ft below land-surface datum, April 22-25.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.56	10.86	11.16	---	---	11.44	11.11	10.14	10.13	9.78	9.19
2	---	10.57	10.87	11.17	---	---	11.45	11.04	10.13	10.14	9.78	9.17
3	---	10.59	10.88	11.17	---	---	11.45	10.98	10.12	10.12	9.77	9.15
4	---	10.60	10.90	11.18	---	---	11.45	10.93	10.11	10.11	9.76	9.13
5	---	10.63	10.91	11.18	---	---	11.45	10.89	10.11	10.10	9.76	9.11
6	---	10.64	10.91	11.19	---	---	11.45	10.84	10.11	10.07	9.76	9.08
7	---	10.65	10.93	11.19	---	---	11.45	10.80	10.10	10.05	9.76	9.07
8	---	10.65	10.94	11.20	---	---	11.45	10.76	10.10	10.02	9.77	9.06
9	---	10.65	10.95	---	---	---	11.45	10.73	10.09	10.00	9.78	9.05
10	---	10.66	10.96	---	---	---	11.45	10.70	10.10	9.97	9.77	9.04
11	---	10.67	10.97	---	---	---	11.46	10.67	10.10	9.96	9.77	9.03
12	---	10.67	10.98	---	---	---	11.46	10.63	10.11	9.94	9.76	9.02
13	10.33	10.69	10.99	---	---	---	11.46	10.60	10.11	9.91	9.77	9.01
14	10.35	10.69	11.00	---	---	---	11.46	10.56	10.11	9.91	9.80	9.01
15	10.37	10.70	11.00	---	---	---	11.46	10.53	10.10	9.90	9.79	9.01
16	10.37	10.71	11.02	---	---	11.41	11.46	10.51	10.09	9.88	9.78	9.02
17	10.37	10.73	11.03	---	---	11.41	11.46	10.48	10.09	9.87	9.74	9.03
18	10.38	10.73	11.04	---	---	11.41	11.46	10.45	10.09	9.87	9.71	9.03
19	10.40	10.75	11.05	---	---	11.42	11.46	10.42	10.09	9.86	9.67	9.04
20	10.42	10.75	11.05	---	---	11.42	11.46	10.39	10.09	9.86	9.62	9.08
21	10.42	10.76	11.05	---	---	11.42	11.47	10.36	10.08	9.85	9.57	9.09
22	10.43	10.77	11.07	---	---	11.42	11.47	10.33	10.08	9.84	9.53	9.09
23	10.46	10.79	11.08	---	---	11.42	11.47	10.30	10.08	9.84	9.48	9.09
24	10.48	10.80	11.10	11.27	---	11.42	11.47	10.28	10.08	9.83	9.44	9.10
25	10.50	10.81	11.10	11.29	---	11.42	11.47	10.25	10.08	9.83	9.40	9.10
26	10.51	10.82	11.11	11.29	---	11.42	11.46	10.23	10.09	9.82	9.36	9.10
27	10.52	10.83	11.12	---	---	11.43	11.44	10.21	10.09	9.82	9.31	9.11
28	10.53	10.84	11.13	---	---	11.43	11.40	10.19	10.10	9.81	9.28	9.13
29	10.53	10.84	11.14	---	---	11.44	11.31	10.18	10.10	9.81	9.25	9.17
30	10.54	10.85	11.15	---	---	11.44	11.20	10.16	10.11	9.80	9.23	9.17
31	10.55	---	11.16	---	---	11.44	---	10.15	---	9.79	9.20	---

GROUND-WATER LEVEL DATA

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644446147120901. Local number, FD00200317BBCA1001.

LOCATION.--Lat 64°44'46", Long 147°12'09", in SW¹/₄ NW¹/₄ NW¹/₄ sec. 17, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located in Chena River Recreation Area, North Pole. From recreation area entrance station well is approximately 0.8 mi southeast on dirt road from levee followed by 0.8 mi northeast on intersecting dirt road.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 15.2 ft, screen opening from 10.1 to 15.1 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 05, 2001 to current year.

DATUM.--Elevation of land-surface datum is 495.7 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 6.30 ft above land surface datum.

REMARKS.--Observation well drilled September 9, 1994 by the U.S. Army Corps of Engineers and designated as USAP-4. Records are fair due to unquantified movement of the measuring point. Well is in low lying area near drainage way. Water levels in well rise during flooding. Water level rose 5 ft from August 19-23, 2002 during a period of heavy precipitation.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.31 ft below land-surface datum, August 24-25, 2002; lowest, 11.81 ft below land-surface datum, April 27-28, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 3.31 ft below land-surface datum, August 24-25; lowest, 11.81 ft below land-surface datum, April 27-28.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	9.83	10.25	10.70	11.05	11.35	11.64	11.70	9.46	9.45	8.60	3.73
2	---	9.85	10.28	10.70	11.07	11.36	11.65	11.59	9.45	9.43	8.58	3.81
3	---	9.88	10.28	10.72	11.08	11.38	11.66	11.52	9.44	9.42	8.57	3.85
4	---	9.90	10.30	10.74	11.08	11.40	11.67	11.41	9.43	9.41	8.55	3.85
5	9.54	9.94	10.31	10.73	11.09	11.40	11.66	11.28	9.44	9.38	8.55	3.85
6	9.56	9.94	10.31	10.74	11.11	11.40	11.66	11.16	9.46	9.32	8.56	3.58
7	9.58	9.96	10.33	10.74	11.12	11.41	11.67	11.00	9.45	9.23	8.56	3.60
8	9.57	9.96	10.35	10.77	11.14	11.42	11.67	10.83	9.43	9.14	8.58	3.72
9	9.55	9.97	10.36	10.78	11.14	11.43	11.68	10.68	9.43	9.06	8.62	3.85
10	9.56	9.98	10.38	10.80	11.14	11.43	11.68	10.53	9.44	8.98	8.59	3.93
11	9.58	10.00	10.38	10.82	11.16	11.44	11.69	10.39	9.46	8.93	8.58	3.96
12	9.59	10.01	10.39	10.84	11.17	11.45	11.70	10.25	9.47	8.88	8.58	3.97
13	9.64	10.03	10.42	10.86	11.16	11.46	11.70	10.13	9.47	8.83	8.62	4.01
14	9.64	10.03	10.44	10.86	11.17	11.48	11.71	10.02	9.46	8.81	8.66	4.04
15	9.64	10.04	10.44	10.88	11.20	11.49	11.72	9.95	9.44	8.79	8.64	4.07
16	9.64	10.06	10.45	10.90	11.20	11.50	11.73	9.91	9.42	8.78	8.61	4.17
17	9.62	10.08	10.47	10.90	11.22	11.50	11.74	9.86	9.41	8.75	8.51	4.10
18	9.65	10.08	10.49	10.90	11.22	11.51	11.74	9.80	9.41	8.74	8.38	4.06
19	9.68	10.10	10.50	10.91	11.24	11.53	11.75	9.76	9.41	8.75	8.24	4.13
20	9.68	10.11	10.50	10.93	11.26	11.53	11.76	9.70	9.41	8.75	7.32	4.26
21	9.68	10.12	10.51	10.95	11.28	11.55	11.76	9.66	9.41	8.73	4.39	4.30
22	9.70	10.13	10.53	10.96	11.28	11.55	11.78	9.63	9.40	8.73	3.46	4.31
23	9.72	10.17	10.57	10.96	11.29	11.55	11.79	9.60	9.39	8.71	3.35	4.33
24	9.75	10.19	10.58	10.97	11.31	11.56	11.79	9.56	9.39	8.71	3.31	4.35
25	9.77	10.20	10.59	11.00	11.31	11.56	11.80	9.53	9.38	8.73	3.31	4.37
26	9.77	10.22	10.61	11.00	11.31	11.57	11.80	9.50	9.40	8.69	3.37	4.35
27	9.77	10.23	10.62	11.01	11.32	11.58	11.80	9.47	9.41	8.69	3.43	4.30
28	9.79	10.23	10.65	11.02	11.33	11.60	11.80	9.44	9.40	8.68	3.47	4.31
29	9.78	10.24	10.66	11.02	---	11.61	11.79	9.44	9.41	8.67	3.55	4.39
30	9.82	10.24	10.67	11.03	---	11.62	11.73	9.46	9.43	8.64	3.58	4.22
31	9.83	---	10.68	11.05	---	11.63	---	9.47	---	8.62	3.64	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644450147131201. Local number, FD00200318ABBD1005.

LOCATION.--Lat 64°44'50", Long 147°13'12", in NW¹/₄ NW¹/₄ NE¹/₄ sec. 18, T.2 S., R.3 E., (Fairbanks C-1 NE quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located in Chena River Recreation Area, North Pole. From recreation area entrance station well is approximately 0.3 mi southeast on dirt road from levee.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 24.8 ft, screen opening from 19.7 to 24.7 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; Submersible pressure transducer/electronic data logger from October 13, 2001 to current year.

DATUM.--Elevation of land-surface datum is 500.5 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 5.80 ft above land surface datum.

REMARKS.--Observation well drilled September 9, 1994 by the U.S. Army Corps of Engineers and designated as USAP-5. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.67 ft below land-surface datum, September 18, 2002; lowest, 14.81 ft below land-surface datum, April 15-19 and 21-28, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 11.67 ft below land-surface datum, September 18; lowest, 14.81 ft below land-surface datum, April 15-19 and 21-28.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	13.58	13.91	14.27	14.51	14.63	14.76	14.55	13.26	13.24	12.86	12.00
2	---	13.60	13.93	14.27	14.52	14.64	14.77	14.40	13.25	13.24	12.85	11.96
3	---	13.61	13.93	14.28	14.52	14.65	14.77	14.35	13.25	13.23	12.84	11.93
4	---	13.62	13.95	14.30	14.52	14.65	14.77	14.29	13.23	13.24	12.83	11.90
5	---	13.65	13.96	14.29	14.54	14.65	14.77	14.25	13.23	13.22	12.82	11.87
6	---	13.65	13.97	14.31	14.54	14.65	14.77	14.21	13.23	13.19	12.81	11.83
7	---	13.67	13.98	14.32	14.55	14.66	14.78	14.16	13.23	13.18	12.81	11.82
8	---	13.67	13.99	14.34	14.55	14.66	14.78	14.10	13.22	13.15	12.82	11.79
9	---	13.68	14.00	14.35	14.54	14.66	14.78	14.06	13.20	13.12	12.83	11.78
10	---	13.68	14.01	14.36	14.55	14.66	14.78	14.01	13.21	13.10	12.82	11.76
11	---	13.69	14.04	14.38	14.55	14.66	14.78	13.96	13.21	13.07	12.82	11.74
12	---	13.70	14.04	14.39	14.56	14.67	14.78	13.90	13.22	13.05	12.81	11.72
13	13.41	13.72	14.06	14.40	14.55	14.68	14.78	13.85	13.22	13.03	12.83	11.70
14	13.44	13.72	14.07	14.40	14.58	14.68	14.79	13.78	13.22	13.01	12.86	11.69
15	13.44	13.73	14.08	14.41	14.58	14.68	14.80	13.74	13.21	13.00	12.86	11.68
16	13.44	13.76	14.09	14.42	14.58	14.72	14.79	13.69	13.20	12.98	12.85	11.69
17	13.44	13.77	14.10	14.42	14.59	14.73	14.79	13.64	13.20	12.97	12.81	11.68
18	13.46	13.77	14.12	14.42	14.60	14.73	14.79	13.58	13.19	12.95	12.78	11.67
19	13.48	13.79	14.13	14.44	14.60	14.74	14.79	13.54	13.19	12.95	12.75	11.69
20	13.48	13.79	14.12	14.45	14.61	14.74	14.79	13.50	13.19	12.94	12.69	11.71
21	13.48	13.81	14.13	14.46	14.61	14.74	14.80	13.48	13.19	12.94	12.65	11.70
22	13.49	13.82	14.14	14.46	14.62	14.74	14.79	13.46	13.20	12.92	12.59	11.69
23	13.51	13.84	14.17	14.47	14.62	14.73	14.80	13.43	13.19	12.91	12.53	11.69
24	13.54	13.86	14.19	14.48	14.62	14.74	14.80	13.40	13.20	12.91	12.46	11.69
25	13.55	13.87	14.19	14.49	14.63	14.74	14.80	13.37	13.19	12.90	12.38	11.69
26	13.55	13.88	14.20	14.49	14.62	14.74	14.80	13.35	13.20	12.89	12.30	11.68
27	13.54	13.89	14.21	14.49	14.62	14.75	14.80	13.33	13.21	12.89	12.23	11.69
28	13.56	13.89	14.23	14.50	14.61	14.75	14.78	13.31	13.21	12.89	12.17	11.71
29	13.56	13.90	14.24	14.50	---	14.76	14.74	13.30	13.22	12.89	12.12	11.75
30	13.58	13.91	14.25	14.51	---	14.76	14.62	13.30	13.23	12.87	12.07	11.74
31	13.58	---	14.26	14.51	---	14.76	---	13.28	---	12.87	12.02	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644454147151701. Local number, FD00200213ABBB1006.

LOCATION.--Lat 64°44'54", Long 147°15'17", in NW¹/₄ NW¹/₄ NE¹/₄ sec. 13, T.2 S., R.3 E., (Fairbanks C-1 NW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 30 ft southeast of intersection of Nelson Rd and Lyle Rd, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 17.9 ft, screen openings from 12.6 to 17.6 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic datalogger from October 12, 2001 to current year.

DATUM.--Elevation of land-surface datum is 495.8 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of metal ring on inner pvc casing 2.49 ft above land surface datum.

REMARKS.--Observation well drilled April 8, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-6. Record are fair due to unquantified movement of the measuring point. Daily values missing March 3-8 from equipment malfunction.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.79 ft below land-surface datum, September 12-15, 2002; lowest, 10.13 ft below land-surface datum, April 22-24, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 7.79 ft below land-surface datum, September 12-15; lowest, 10.13 ft below land-surface datum, April 22-24.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	9.21	9.53	9.85	9.98	10.04	10.09	9.70	8.80	8.83	8.47	7.91
2	---	9.23	9.54	9.85	9.99	10.04	10.08	9.62	8.79	8.83	8.46	7.90
3	---	9.25	9.55	9.86	9.99	---	10.09	9.57	8.79	8.80	8.46	7.88
4	---	9.26	9.57	9.87	9.98	---	10.10	9.52	8.78	8.78	8.46	7.87
5	---	9.28	9.59	9.86	9.99	---	10.09	9.48	8.78	8.75	8.45	7.85
6	---	9.28	9.59	9.86	10.00	---	10.09	9.44	8.78	8.72	8.46	7.83
7	---	9.30	9.61	9.86	10.00	---	10.10	9.41	8.78	8.69	8.47	7.82
8	---	9.30	9.62	9.88	10.01	---	10.10	9.37	8.77	8.66	8.48	7.81
9	---	9.30	9.63	9.88	10.00	10.05	10.09	9.33	8.77	8.63	8.49	7.81
10	---	9.31	9.65	9.90	10.00	10.05	10.09	9.30	8.78	8.61	8.48	7.81
11	---	9.32	9.66	9.92	10.01	10.05	10.10	9.27	8.79	8.59	8.47	7.80
12	8.94	9.33	9.66	9.92	10.01	10.05	10.10	9.23	8.79	8.57	8.47	7.79
13	8.97	9.34	9.69	9.93	10.00	10.06	10.10	9.20	8.80	8.56	8.48	7.79
14	8.99	9.35	9.70	9.93	10.00	10.06	10.10	9.17	8.79	8.55	8.51	7.79
15	9.00	9.36	9.71	9.94	10.01	10.06	10.10	9.14	8.78	8.54	8.51	7.79
16	9.01	9.37	9.72	9.94	10.01	10.06	10.11	9.12	8.78	8.53	8.47	7.82
17	9.01	9.39	9.73	9.94	10.01	10.06	10.09	9.09	8.78	8.53	8.42	7.83
18	9.02	9.39	9.74	9.94	10.01	10.06	10.11	9.06	8.78	8.53	8.37	7.83
19	9.05	9.41	9.75	9.95	10.02	10.07	10.11	9.04	8.78	8.53	8.32	7.84
20	9.06	9.41	9.75	9.95	10.02	10.07	10.11	9.01	8.78	8.52	8.27	7.87
21	9.07	9.42	9.75	9.96	10.03	10.07	10.11	8.98	8.77	8.52	8.22	7.89
22	9.09	9.42	9.77	9.95	10.03	10.07	10.11	8.95	8.77	8.52	8.18	7.89
23	9.10	9.44	9.79	9.95	10.03	10.07	10.12	8.93	8.77	8.51	8.14	7.90
24	9.12	9.47	9.80	9.96	10.03	10.07	10.12	8.90	8.78	8.51	8.09	7.91
25	9.14	9.48	9.81	9.97	10.03	10.07	10.12	8.88	8.78	8.50	8.06	7.91
26	9.16	9.49	9.81	9.97	10.03	10.07	10.10	8.86	8.79	8.49	8.03	7.92
27	9.16	9.50	9.82	9.97	10.03	10.07	10.07	8.85	8.79	8.49	7.99	7.93
28	9.17	9.51	9.84	9.98	10.03	10.08	10.01	8.82	8.81	8.49	7.97	7.94
29	9.18	9.51	9.84	9.97	---	10.08	9.91	8.82	8.81	8.48	7.96	7.97
30	9.20	9.52	9.84	9.98	---	10.09	9.80	8.82	8.82	8.48	7.94	7.97
31	9.21	---	9.85	9.98	---	10.09	---	8.81	---	8.47	7.92	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644528147131201. Local number, FD00200307ACBD1001 51660.

LOCATION.--Lat 64°45'28", long 147°13'12", NW¹/₄ SW¹/₄ NE¹/₄, sec. 7, T.2 S., R.3 E., (Fairbanks D-1) Fairbanks Meridian, Hydrologic Unit 19040506, inside Corps of Engineers Chena Lakes Project fenced compound, 120 ft west of headquarters building and 2 mi northeast of the intersection of Laurence and Nelson Roads.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4-in., depth 31 ft, screened from 28.5 to 31 ft using a 2-in. diameter well point.

INSTRUMENTATION.--Continuous strip-chart recorder from June 1976 to May 1980. Digital recorder--1-hour punch interval, from October 1985 to April 1995. Electronic data logger used from April 1995 to present.

DATUM.--Elevation of land-surface datum is 494.7 ft above sea level (determined by levels survey). Measuring point: top of casing 2.91 ft above land-surface datum.

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers, designated as P-252. Water levels from water years 1986 through 1990 were not previously published and are available from NWIS.

PERIOD OF RECORD.--June 1976 to May 1980 and October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.85 ft below land-surface datum, June 8-9, 1992; lowest, 13.20 ft below land-surface datum September 15, 1976.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 7.56 ft below land-surface datum, September 7-9; lowest, 11.27 ft below land-surface datum, April 25.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.74	10.07	10.36	10.72	10.95	11.10	11.21	11.01	9.25	9.44	9.03	7.59
2	9.75	10.07	10.37	10.72	10.96	11.10	11.21	10.89	9.24	9.46	9.03	7.60
3	9.78	10.09	10.38	10.73	10.97	11.11	11.21	10.76	9.25	9.46	9.03	7.61
4	9.80	10.10	10.39	10.74	10.97	11.11	11.22	10.65	9.24	9.45	9.03	7.60
5	9.80	10.11	10.41	10.75	10.98	11.12	11.22	10.56	9.24	9.43	9.03	7.59
6	9.80	10.12	10.42	10.75	10.98	11.12	11.22	10.50	9.25	9.34	9.03	7.58
7	9.81	10.13	10.43	10.76	10.99	11.12	11.22	10.43	9.27	9.27	9.05	7.56
8	9.82	10.14	10.44	10.77	11.00	11.13	11.22	10.36	9.27	9.20	9.06	7.56
9	9.82	10.14	10.45	10.78	11.00	11.13	11.22	10.30	9.27	9.15	9.08	7.56
10	9.82	10.15	10.46	10.79	11.00	11.13	11.22	10.24	9.28	9.11	9.10	7.57
11	9.83	10.16	10.48	10.81	11.00	11.13	11.22	10.18	9.29	9.09	9.11	7.58
12	9.84	10.17	10.49	10.82	11.01	11.13	11.23	10.11	9.31	9.07	9.12	7.57
13	9.87	10.18	10.50	10.83	11.01	11.14	11.23	10.02	9.33	9.05	9.12	7.58
14	9.89	10.19	10.51	10.84	11.02	11.14	11.23	9.95	9.34	9.04	9.15	7.58
15	9.90	10.19	10.52	10.85	11.02	11.15	11.23	9.89	9.34	9.04	9.18	7.58
16	9.91	10.20	10.53	10.86	11.03	11.15	11.24	9.83	9.32	9.04	9.16	7.61
17	9.92	10.21	10.54	10.87	11.03	11.15	11.24	9.76	9.32	9.04	9.06	7.64
18	9.92	10.22	10.56	10.87	11.03	11.16	11.24	9.70	9.32	9.04	8.98	7.65
19	9.94	10.24	10.56	10.88	11.05	11.16	11.25	9.63	9.32	9.04	8.89	7.67
20	9.96	10.24	10.57	10.88	11.06	11.18	11.25	9.56	9.33	9.05	8.75	7.70
21	9.96	10.25	10.58	10.89	11.06	11.18	11.25	9.50	9.34	9.05	8.54	7.74
22	9.97	10.26	10.60	10.90	11.07	11.18	11.25	9.45	9.35	9.05	8.33	7.76
23	9.99	10.28	10.61	10.90	11.07	11.18	11.25	9.40	9.35	9.05	8.10	7.77
24	10.00	10.29	10.62	10.90	11.08	11.18	11.26	9.35	9.35	9.05	7.92	7.78
25	10.02	10.31	10.63	10.91	11.08	11.18	11.26	9.31	9.36	9.06	7.80	7.80
26	10.03	10.32	10.65	10.92	11.08	11.18	11.25	9.28	9.36	9.05	7.71	7.81
27	10.03	10.33	10.66	10.93	11.09	11.19	11.24	9.26	9.37	9.05	7.66	7.81
28	10.04	10.34	10.67	10.94	11.09	11.19	11.22	9.24	9.39	9.05	7.63	7.82
29	10.05	10.34	10.68	10.94	---	11.19	11.18	9.23	9.40	9.04	7.61	7.84
30	10.05	10.35	10.69	10.95	---	11.20	11.07	9.23	9.41	9.04	7.60	7.87
31	10.06	---	10.70	10.95	---	11.20	---	9.24	---	9.03	7.59	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644531147130801. Local number, FD00200307ACBA1007.

LOCATION.--Lat 64°45'31", Long 147°13'08", NW¹/₄ SW¹/₄ NE¹/₄ sec. 7, T.2 S., R.3 E., (Fairbanks D-1 SE) Fairbanks Meridian, Hydrologic Unit 19040506. Well located approximately 60 feet from bunker door off gravel road near U.S. Army Corps of Engineers' facility south of Chena Lake Recreation Area entrance.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 17.6 ft, screen opening from 7.6 ft to 12.1 ft and 12.6 to 17.1 ft

INSTRUMENTATION.--Intermittent measurements by USGS personnel February 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 493.9 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer steel casing 2.80 ft above land surface datum.

REMARKS.--Observation well drilled March 12, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-4. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--February 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.93 ft below land-surface datum, August 27-28, 2002; lowest, 10.75 ft below land-surface datum, April 23-24, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 6.93 ft below land-surface datum, August 27-28; lowest, 10.75 ft below land-surface datum, April 23-24.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	9.55	9.84	10.18	10.41	10.57	10.69	10.43	8.71	8.96	8.50	6.97
2	---	9.56	9.86	10.18	10.42	10.57	10.69	10.30	8.70	8.96	8.50	7.00
3	---	9.57	9.86	10.19	10.43	10.59	10.69	10.17	8.71	8.93	8.51	6.99
4	---	9.58	9.89	10.21	10.43	10.60	10.69	10.08	8.70	8.94	8.51	6.98
5	9.29	9.62	9.89	10.20	10.44	10.60	10.68	9.99	8.72	8.85	8.51	6.97
6	9.29	9.62	9.90	10.20	10.45	10.60	10.69	9.93	8.75	8.76	8.53	6.94
7	9.30	9.62	9.91	10.21	10.45	10.60	10.69	9.86	8.76	8.68	8.55	6.94
8	9.29	9.62	9.92	10.23	10.47	10.61	10.69	9.79	8.75	8.62	8.57	6.96
9	9.28	9.62	9.93	10.23	10.46	10.61	10.69	9.73	8.76	8.58	8.60	6.98
10	9.29	9.62	9.94	10.25	10.45	10.60	10.69	9.67	8.77	8.54	8.60	7.00
11	9.32	9.63	9.95	10.27	10.47	10.60	10.71	9.60	8.81	8.53	8.60	6.99
12	9.34	9.64	9.95	10.29	10.46	10.61	10.71	9.52	8.82	8.52	8.60	6.99
13	9.38	9.65	9.97	10.29	10.46	10.62	10.71	9.46	8.84	8.50	8.63	7.01
14	9.39	9.66	9.99	10.29	10.47	10.63	10.71	9.38	8.83	8.51	8.68	7.02
15	9.40	9.67	9.99	10.31	10.49	10.63	10.71	9.32	8.80	8.52	8.68	7.03
16	9.40	9.68	10.01	10.31	10.50	10.63	10.72	9.26	8.79	8.51	8.57	7.08
17	9.39	9.70	10.02	10.31	10.50	10.63	10.72	9.20	8.79	8.51	8.43	7.10
18	9.41	9.70	10.04	10.31	10.50	10.64	10.72	9.12	8.80	8.52	8.35	7.10
19	9.44	9.72	10.04	10.32	10.52	10.65	10.72	9.05	8.80	8.52	8.23	7.14
20	9.44	9.72	10.03	10.33	10.53	10.65	10.72	8.98	8.82	8.53	8.03	7.20
21	9.44	9.73	10.04	10.35	10.54	10.65	10.73	8.92	8.83	8.52	7.79	7.22
22	9.45	9.75	10.06	10.35	10.54	10.65	10.74	8.87	8.84	8.53	7.54	7.22
23	9.48	9.77	10.09	10.35	10.55	10.65	10.74	8.82	8.84	8.52	7.30	7.23
24	9.51	9.80	10.10	10.36	10.55	10.64	10.74	8.77	8.85	8.53	7.12	7.25
25	9.52	9.80	10.10	10.39	10.55	10.64	10.74	8.73	8.85	8.53	7.02	7.26
26	9.52	9.81	10.11	10.38	10.55	10.64	10.72	8.71	8.87	8.51	6.96	7.25
27	9.52	9.82	10.12	10.39	10.55	10.65	10.71	8.69	8.88	8.52	6.93	7.28
28	9.53	9.82	10.15	10.39	10.55	10.67	10.67	8.68	8.91	8.52	6.93	7.29
29	9.52	9.82	10.15	10.39	---	10.67	10.60	8.68	8.91	8.50	6.94	7.34
30	9.55	9.83	10.17	10.39	---	10.68	10.50	8.69	8.93	8.50	6.94	7.31
31	9.54	---	10.17	10.41	---	10.69	---	8.72	---	8.50	6.94	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644547147141801. Local number, FD00200306CCCC1002.

LOCATION.--Lat 64°45'47", Long 147°14'18", in SW¹/₄ SW¹/₄ SW¹/₄ sec. 6, T.2 S., R.3 E., (Fairbanks D-1 SE quad), Fairbanks Meridian, Hydrologic Unit 19040506, Well located 0.5 mi on Hurst Road from the intersection with Nelson Road, then 30 ft east of road, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in.PVC inner casing, depth 17.4 ft, screen opening from 12.4 ft to 16.9 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel August 2001 to current year; submersible pressure transducer/electronic data logger from October 12, 2001 to current year.

DATUM.--Elevation of land-surface datum is 491.8 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of metal collar on outer casing 2.55 feet above land surface datum.

REMARKS.--Observation well drilled April 11, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-3. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--August 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.43 ft below land-surface datum, September 14, 2002; lowest, 10.07 ft below land-surface datum, April 22-23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 6.43 ft below land-surface datum, September 14; lowest, 10.07 ft below land-surface datum, April 22-23.

DEPTH BELOW LAND SURFACE (WATER LEVEL)(FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	8.87	9.23	9.62	9.86	9.97	10.04	9.81	7.93	8.29	7.83	6.72
2	---	8.88	9.25	9.62	9.87	9.97	10.04	9.70	7.93	8.30	7.84	6.70
3	---	8.90	9.25	9.63	9.87	9.98	10.04	9.60	7.94	8.27	7.84	6.67
4	---	8.92	9.28	9.65	9.87	10.00	10.03	9.49	7.93	8.28	7.84	6.64
5	---	8.95	9.29	9.64	9.88	9.99	10.02	9.37	7.95	8.22	7.82	6.61
6	---	8.96	9.29	9.64	9.89	9.99	10.02	9.26	7.99	8.06	7.86	6.56
7	---	8.97	9.31	9.65	9.89	9.99	10.03	9.15	8.01	7.96	7.89	6.54
8	---	8.96	9.32	9.67	9.90	9.99	10.02	9.04	8.00	7.90	7.90	6.53
9	---	8.97	9.34	9.68	9.89	9.99	10.02	8.95	8.01	7.87	7.94	6.51
10	---	8.98	9.34	9.70	9.89	9.97	10.02	8.87	8.02	7.83	7.94	6.49
11	---	8.99	9.36	9.72	9.91	9.97	10.04	8.78	8.06	7.82	7.94	6.47
12	8.65	9.00	9.36	9.73	9.90	9.98	10.04	8.69	8.09	7.81	7.94	6.45
13	8.69	9.01	9.38	9.74	9.90	10.00	10.03	8.60	8.11	7.79	7.98	6.44
14	8.70	9.01	9.40	9.75	9.90	10.00	10.03	8.52	8.10	7.80	8.02	6.43
15	8.70	9.02	9.40	9.76	9.92	10.01	10.03	8.47	8.08	7.82	8.01	6.44
16	8.71	9.03	9.42	9.77	9.93	10.00	10.05	8.42	8.07	7.82	7.99	6.46
17	8.69	9.05	9.43	9.77	9.93	10.01	10.03	8.37	8.07	7.83	7.81	6.46
18	8.71	9.05	9.45	9.77	9.93	10.01	10.04	8.30	8.09	7.83	7.67	6.47
19	8.75	9.08	9.46	9.78	9.94	10.02	10.04	8.24	8.09	7.86	7.54	6.49
20	8.75	9.08	9.45	9.79	9.95	10.02	10.04	8.18	8.13	7.87	7.44	6.54
21	8.75	9.09	9.46	9.80	9.96	10.02	10.04	8.13	8.14	7.86	7.36	6.55
22	8.76	9.11	9.48	9.81	9.96	10.01	10.06	8.09	8.14	7.87	7.25	6.55
23	8.79	9.13	9.51	9.81	9.96	10.00	10.06	8.03	8.15	7.85	7.17	6.56
24	8.82	9.16	9.52	9.82	9.96	10.00	10.05	7.99	8.15	7.86	7.09	6.57
25	8.84	9.17	9.53	9.84	9.96	9.99	10.04	7.94	8.17	7.89	7.01	6.57
26	8.85	9.19	9.54	9.84	9.96	9.99	10.02	7.90	8.19	7.85	6.95	6.56
27	8.85	9.20	9.55	9.84	9.96	10.01	10.02	7.90	8.20	7.85	6.89	6.58
28	8.85	9.21	9.57	9.85	9.95	10.03	9.99	7.88	8.22	7.87	6.85	6.59
29	8.85	9.21	9.58	9.85	---	10.03	9.94	7.89	8.23	7.85	6.80	6.64
30	8.87	9.22	9.59	9.85	---	10.04	9.86	7.90	8.26	7.84	6.76	6.62
31	8.87	---	9.61	9.86	---	10.04	---	7.94	---	7.84	6.74	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644603147131401. Local number, FD00200306DBCA1001.

LOCATION.--Lat 64°46'03", Long 147°13'14", in SW¹/₄ NW¹/₄ SE¹/₄ sec. 06, T.2 S., R.3 E., (Fairbanks D-1 SE quad), Fairbanks Meridian, Hydrologic Unit 19040506, Well located 0.6 mi west on turn off to Lake Park in Chena Lakes Recreation Area, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. pvc casing, depth 19.3 ft., screen open from 14.3 to 18.8 ft.

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 5, 2001 to current year.

DATUM.--Elevation of land-surface datum is 488.3 ft above sea level (surveyed by U.S. Army Corps of Engineers). Measuring point: top of outer casing 2.60 ft above land-surface datum.

REMARKS.--Observation well drilled April 6, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-1. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 5.14 ft below land-surface datum, September 6-7, 2002; lowest 8.49 ft below land-surface datum, March 18-21, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured 5.14 ft below land-surface datum, September 6-7; lowest 8.49 ft below land-surface datum, March 18-21, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.68	7.99	8.32	8.44	8.45	8.47	8.09	5.92	6.71	6.52	5.17
2	---	7.70	8.00	8.32	8.44	8.45	8.47	7.96	5.93	6.72	6.53	5.18
3	---	7.70	8.01	8.33	8.43	8.47	8.47	7.85	5.96	6.70	6.55	5.17
4	---	7.72	8.03	8.34	8.43	8.47	8.46	7.73	5.98	6.73	6.57	5.16
5	7.45	7.73	8.04	8.31	8.45	8.46	8.45	7.60	6.01	6.62	6.59	5.16
6	7.44	7.74	8.05	8.33	8.45	8.46	8.46	7.50	6.06	6.54	6.62	5.14
7	7.46	7.74	8.06	8.33	8.45	8.46	8.46	7.39	6.10	6.44	6.65	5.14
8	7.46	7.73	8.07	8.36	8.46	8.46	8.46	7.30	6.11	6.35	6.68	5.16
9	7.45	7.75	8.08	8.36	8.44	8.46	8.46	7.22	6.14	6.29	6.71	5.18
10	7.47	7.75	8.10	8.37	8.43	8.44	8.46	7.15	6.18	6.25	6.72	5.19
11	7.49	7.76	8.11	8.38	8.44	8.44	8.47	7.05	6.24	6.24	6.73	5.19
12	7.51	7.77	8.12	8.39	8.44	8.46	8.46	6.95	6.27	6.23	6.75	5.20
13	7.53	7.78	8.14	8.40	8.43	8.47	8.45	6.85	6.31	6.22	6.78	5.22
14	7.54	7.79	8.15	8.39	8.44	8.48	8.45	6.75	6.32	6.23	6.82	5.24
15	7.55	7.80	8.15	8.41	8.44	8.47	8.45	6.66	6.32	6.26	6.84	5.26
16	7.55	7.81	8.16	8.40	8.44	8.47	8.46	6.58	6.34	6.28	6.75	5.31
17	7.55	7.83	8.17	8.40	8.44	8.47	8.45	6.49	6.35	6.30	6.65	5.35
18	7.58	7.83	8.18	8.40	8.44	8.47	8.46	6.39	6.38	6.33	6.55	5.37
19	7.60	7.85	8.19	8.41	8.45	8.48	8.45	6.30	6.40	6.35	6.46	5.41
20	7.61	7.85	8.18	8.42	8.45	8.48	8.45	6.19	6.43	6.36	6.29	5.45
21	7.62	7.87	8.20	8.42	8.45	8.47	8.45	6.12	6.45	6.39	6.10	5.48
22	7.64	7.88	8.21	8.41	8.45	8.46	8.46	6.04	6.48	6.41	5.93	5.51
23	7.65	7.90	8.24	8.41	8.45	8.46	8.45	5.97	6.50	6.44	5.78	5.53
24	7.66	7.93	8.24	8.43	8.44	8.46	8.45	5.91	6.52	6.45	5.63	5.57
25	7.67	7.93	8.25	8.44	8.44	8.44	8.45	5.87	6.53	6.47	5.51	5.59
26	7.66	7.95	8.26	8.43	8.44	8.45	8.40	5.85	6.56	6.47	5.40	5.61
27	7.66	7.96	8.27	8.43	8.44	8.45	8.37	5.84	6.58	6.48	5.31	5.64
28	7.67	7.96	8.28	8.44	8.44	8.46	8.33	5.83	6.61	6.48	5.26	5.66
29	7.67	7.97	8.29	8.43	---	8.47	8.25	5.84	6.63	6.48	5.21	5.70
30	7.69	7.98	8.30	8.44	---	8.46	8.15	5.87	6.66	6.49	5.19	5.71
31	7.68	---	8.31	8.44	---	8.47	---	5.90	---	6.50	5.18	---

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

644603147151801. Local number, FD00200201DBCB1002.

LOCATION.--Lat 64°46'03", Long 147°15'18", in SW¹/₄ NW¹/₄ SE¹/₄ sec. 1, T.2 S., R.2 E., (Fairbanks D-1 SW quad), Fairbanks Meridian, Hydrologic Unit 19040506. Well located east side of Nelson Road approximately 2.3 mi from Laurance Road. West of Chena Lakes Flood Control Project and Recreational Area, North Pole.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2-in. PVC casing, depth 19.8 ft, screen openings from 14.8 ft to 19.3 ft

INSTRUMENTATION.--Intermittent measurements by USGS personnel July 2001 to current year; submersible pressure transducer/electronic data logger from October 12, 2001 to current year.

DATUM.--Elevation of land-surface datum is 491.2 ft above sea level (surveyed by U.S. Army Corps of Engineers 1995). Measuring point: top of outer casing 2.95 ft above land surface datum.

REMARKS.--Observation well drilled April 11, 1995 by the U.S. Army Corps of Engineers and designated as DSAP-2. Records are fair due to unquantified movement of the measuring point.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.94 ft below land-surface datum, September 14-15, 2002; lowest, 11.83 ft below land-surface datum, March 31, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 8.94 ft below land-surface datum, September 14-15; lowest, 11.83 ft below land-surface datum, March 31.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.91	11.27	11.64	11.78	11.80	11.82	11.50	9.84	10.20	9.95	9.23
2	---	10.92	11.29	11.64	11.78	11.80	11.82	11.39	9.84	10.23	9.95	9.20
3	---	10.94	11.30	11.65	11.78	11.81	11.82	11.31	9.85	10.22	9.95	9.16
4	---	10.95	11.32	11.67	11.77	11.82	11.81	11.22	9.86	10.23	9.95	9.13
5	---	10.98	11.34	11.64	11.78	11.82	11.80	11.13	9.86	10.21	9.96	9.10
6	---	10.99	11.34	11.65	11.79	11.81	11.80	11.03	9.89	10.14	9.97	9.07
7	---	11.00	11.36	11.64	11.79	11.80	11.81	10.95	9.92	10.07	9.99	9.05
8	---	11.00	11.37	11.66	11.80	11.80	11.79	10.86	9.93	10.00	10.01	9.03
9	---	11.01	11.39	11.66	11.78	11.80	11.79	10.79	9.94	9.95	10.04	9.02
10	---	11.02	11.40	11.68	11.78	11.78	11.79	10.72	9.96	9.90	10.06	9.00
11	---	11.03	11.41	11.70	11.78	11.78	11.80	10.65	9.99	9.88	10.06	8.98
12	10.69	11.03	11.41	11.71	11.78	11.78	11.81	10.59	10.01	9.86	10.07	8.97
13	10.72	11.05	11.44	11.72	11.77	11.80	11.79	10.52	10.04	9.84	10.10	8.95
14	10.73	11.06	11.46	11.72	11.77	11.81	11.79	10.46	10.04	9.84	10.14	8.94
15	10.74	11.07	11.46	11.73	11.79	11.81	11.79	10.40	10.02	9.84	10.14	8.94
16	10.74	11.08	11.48	11.74	11.80	11.80	11.81	10.35	10.02	9.84	10.14	8.95
17	10.74	11.10	11.49	11.73	11.79	11.80	11.80	10.31	10.02	9.84	10.09	8.96
18	10.75	11.10	11.50	11.73	11.79	11.80	11.81	10.25	10.04	9.84	10.00	8.96
19	10.78	11.12	11.51	11.74	11.80	11.81	11.81	10.20	10.04	9.86	9.92	8.98
20	10.79	11.13	11.50	11.75	11.81	11.81	11.80	10.15	10.07	9.87	9.84	9.03
21	10.79	11.14	11.50	11.76	11.81	11.81	11.80	10.10	10.07	9.89	9.79	9.04
22	10.80	11.16	11.52	11.76	11.81	11.80	11.82	10.06	10.08	9.89	9.74	9.03
23	10.82	11.18	11.54	11.75	11.81	11.79	11.82	10.01	10.08	9.89	9.69	9.04
24	10.84	11.21	11.56	11.76	11.80	11.78	11.81	9.96	10.10	9.90	9.63	9.05
25	10.86	11.23	11.57	11.78	11.80	11.77	11.80	9.92	10.11	9.93	9.57	9.05
26	10.87	11.24	11.57	11.77	11.79	11.77	11.79	9.88	10.13	9.93	9.51	9.05
27	10.87	11.25	11.58	11.77	11.79	11.78	11.78	9.85	10.14	9.93	9.44	9.06
28	10.88	11.26	11.60	11.78	11.79	11.79	11.73	9.83	10.16	9.94	9.39	9.08
29	10.88	11.27	11.61	11.77	---	11.81	11.68	9.82	10.16	9.95	9.34	9.12
30	10.90	11.27	11.62	11.77	---	11.81	11.57	9.82	10.18	9.94	9.29	9.13
31	10.91	---	11.63	11.78	---	11.82	---	9.84	---	9.95	9.25	---

GROUND-WATER LEVEL DATA

YUKON ALASKA

FAIRBANKS NORTH STAR BOROUGH--CONTINUED

645434147385101. Local number, FB00100113DDBC2001 50673.

LOCATION.--Lat 64°54'34", long 147°38'51", in NW¹/₄ SE¹/₄ SE¹/₄ sec. 13, T.1 S., R.1 W., (Fairbanks D-2 NE quad), Fairbanks Meridian, Hydrologic Unit, 19040506, in road right-of-way at 2.3 mi McGrath Road, off Farmers' Loop Road near Fairbanks.

Owner: U.S. Geological Survey.

AQUIFER.--Quartz-mica schist of pre-Jurassic age.

WELL CHARACTERISTICS.--Diameter 6-in., depth 100 ft, metal casing to 98.5 ft, perforated openings from 88.5 ft to 98.5 ft, and open hole to 100 ft.

INSTRUMENTATION.--Digital recorder, from October 1983 to June 1995. Electronic data logger from June 1995 to May 1996. Digital recorder, from May 1996 to September 1997. Electronic data logger from October 1997 to present.

DATUM.--Elevation of land-surface datum is 740 ft above sea level (determined from topographic map). Measuring point: top of casing 1.00 ft above land-surface datum.

REMARKS.--Observation well drilled by the U.S. Geological Survey, designated as McGrath Well, replaces old McGrath Estates well, 645429147383801.

PERIOD OF RECORD.--June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.13 ft below land-surface datum, October 28, 1983; lowest, 44.85 ft below land-surface datum, July 3, 1990.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 42.31 ft below land-surface datum, October 9, 10 and November 1; lowest, 43.94 ft below land-surface datum, June 17.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY HIGHEST WATER LEVEL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.48	42.31	42.42	42.64	42.90	43.01	43.33	43.29	43.52	43.71	43.27	42.81
2	42.49	42.32	42.44	42.59	42.89	43.08	43.30	43.34	43.47	43.64	43.21	42.86
3	42.56	42.42	42.50	42.59	42.93	43.15	43.28	43.33	43.45	43.50	43.20	42.85
4	42.44	42.46	42.53	42.65	42.88	43.27	43.26	43.32	43.40	43.51	43.25	42.73
5	42.40	42.59	42.49	42.51	42.88	43.17	43.16	43.33	43.44	43.56	43.16	42.69
6	42.40	42.56	42.48	42.50	42.94	43.12	43.15	43.34	43.49	43.59	43.14	42.63
7	42.43	42.51	42.49	42.53	42.91	43.09	43.19	43.29	43.54	43.62	43.11	42.62
8	42.41	42.37	42.51	42.60	42.91	43.09	43.22	43.24	43.53	43.57	43.11	42.66
9	42.31	42.37	42.56	42.64	42.87	43.09	43.18	43.21	43.49	43.56	43.12	42.71
10	42.31	42.39	42.62	42.66	42.77	43.09	43.18	43.21	43.60	43.52	43.14	42.75
11	42.36	42.41	42.50	42.75	42.78	43.07	43.21	43.24	43.57	43.49	43.08	42.69
12	42.41	42.50	42.46	42.84	42.84	43.07	43.27	43.33	43.55	43.49	43.03	42.62
13	42.51	42.47	42.52	42.90	42.81	43.11	43.23	43.26	43.57	43.47	43.04	42.61
14	42.59	42.41	42.60	42.79	42.80	43.17	43.23	43.25	43.52	43.46	43.13	42.58
15	42.54	42.39	42.55	42.79	42.85	43.23	43.24	43.21	43.47	43.49	43.05	42.61
16	42.48	42.40	42.57	42.82	42.96	43.18	43.31	43.21	43.62	43.50	42.99	42.67
17	42.34	42.51	42.63	42.74	42.98	43.18	43.27	43.26	43.79	43.46	42.97	42.68
18	42.34	42.49	42.59	42.68	42.97	43.20	43.27	43.32	43.74	43.42	42.98	42.65
19	42.44	42.49	42.57	42.69	43.01	43.25	43.31	43.32	43.66	43.42	42.95	42.65
20	42.45	42.38	42.40	42.71	43.09	43.23	43.30	43.31	43.60	43.45	42.85	42.73
21	42.39	42.39	42.39	42.82	43.16	43.21	43.32	43.27	43.60	43.45	42.82	42.75
22	42.41	42.46	42.46	42.81	43.15	43.15	43.41	43.32	43.61	43.40	42.85	42.69
23	42.48	42.51	42.55	42.78	43.11	43.14	43.45	43.36	43.64	43.32	42.89	42.66
24	42.52	42.60	42.68	42.80	43.11	43.15	43.40	43.37	43.65	43.29	42.92	42.65
25	42.54	42.58	42.68	42.89	43.07	43.13	43.35	43.36	43.63	43.32	42.99	42.60
26	42.40	42.58	42.62	42.90	43.04	43.13	43.27	43.38	43.59	43.30	42.98	42.49
27	42.34	42.51	42.61	42.87	43.04	43.13	43.27	43.40	43.59	43.29	42.84	42.49
28	42.39	42.41	42.64	42.89	42.99	43.20	43.32	43.47	43.61	43.33	42.78	42.54
29	42.37	42.40	42.68	42.82	---	43.29	43.37	43.45	43.59	43.38	42.79	42.59
30	42.37	42.43	42.70	42.81	---	43.34	43.30	43.45	43.62	43.33	42.77	42.53
31	42.33	---	42.70	42.83	---	43.34	---	43.47	---	43.31	42.76	---

